# AR TARGET SHEET

The following document was too large to scan as one unit, therefore it has been broken down into sections.

DOCUMENT # 5D - WM - TPP- 054

EDMC # 0048823 Rev 2

SECTION \_\_\_\_ OF \_2\_\_

# 

THIS PAGE INTENTIONALLY
LEFT BLANK

		H	1. ECN 645548
	ENGINEERING CHANGE NOTICE	Page 1 of 2	Proj. ECN
2. ECN Category	3. Originator's Name, Organization, MSIN,	4. USQ Required?	5. Date

2. ECN Category					
(mark one)	<ol> <li>Originator's Name and Telephone No.</li> </ol>	, Organization, MSIN,	4. USQ Requ	red?	5. Date
Supplemental [] Direct Revision [X]	STEVI	E GIAMBERARDINI S4-49, 376-2680	[] Yes [	X] No	3/1/98
Change ECN []	6. Project Title/No.		7. Bldg./Sy	./Fac. No.	8. Approval Designato
Temporary [] Standby []	B PLANT D	DEACTIVATION	221-B/E	PLANT	N/A
Supersedure [] Cancel/Void []	9. Document Numbers (includes sheet	Changed by this ECN o. and rev.)	10. Related		11. Related PO No.
	HNF-SD-TP	P-054 REV 2A	N,	Ά	N/A
2a. Modification Work	12b. Work Package No.	12c. Modification Work	Complete		red to Original Condi- or Standby ECN only)
Yes (fill out Blk. 12b)	N/A	N/A .			N/A
[X] No (NA Blks. 12b, 12c, 12d)		Design Authority/Cog Signature & D			uthority/Cog. Engineer ignature & Date
3. MOVING 05.03) 4. ADDING 14b. JUSTIFICATION 1. DOCUMENT IS	G FOUR VESSELS F TO CANYON END P G THREE WASTE SI N DETAILS NOT PATENTABLE END POINT TO PR	E END POINT DOCUME ROM OPERATING GAL POINTS (NEW SECTION TES (18.03.42,43, AND NO LONGER IS ROVIDE INDIVIDUAL	LERY END P N 04.53). 44,45, AND REQUIRED T	SECTION  O BE REST	LETING SECTION  18.24)  RICTED.
d/a tratification (make	>				
		[] Environmental	[1	Facili	ty Deactivation [X]
Criteria Change [] As-Found []	Design Improvement Facilitate Const	[] Environmental			ty Deactivation [X]
As-Found [] 14b. Justification Details 3. THESE VESSEL CANYON VESSE CANYON ACTIV	Design Improvement Facilitate Const  S S ARE INCORRECTL L END POINTS. TH ITIES AND WILL E UPR-200-138, 200	F 3	Omission [] RY LIST B ARE CURREN H THE REMA	Design AND ARE R TLY ACTIV INING CAN	EGROUPED WITH THE E AND SUPPORT YON VESSELS.

# THIS PAGE INTENTIONALLY LEFT BLANK

	NGINEERING	CHANGE NOTI	CE	Page 2 of 2	6455	o. from pg. 1)
<pre>16. Design     Verification     Required</pre>	17. Cost Impa	ct SINEERING	CONS	TRUCTION	18. Schedule Impa	ct (days)
[] Yes	Additional	[] \$N/A	Additional	[] \$N/A	Improvement	[]
547	Savings	\$N/A	Savings	[] \$N/A	Delay	ři .
that will be a SDD/DD Functional Design Criter Operating Specification Criticality Specification Conceptual Design Representation Conceptual Design Representation Const. Spec. Procurement Spec. Vendor Information OM Manual FSAR/SAR Safety Equipment List Radiation Work Permit Environmental Impact Senvironmental Report Environmental Permit  20. Other Affected indicate that	Review: Indica (ffected by the finds [] [] [] [] [] [] [] [] [] [] [] [] []	te the related docchange described installation has been contact to the related docchange described installation described installation described installation described installation described in the relation described in the relation has been contact to the relation to	uments (other than n Block 13. Enter Stress Analysis design Report of Control Drawing on Procedure ance Procedure ance Procedure and Instruction and Procedure and Instruction and Safety Requirement awing angement Drawing and Material Specification of Co. Semp. Schedule fon Plan and Adjustment Request isted below will not steed to steed the steed steed to steed the steed to s	the engineering do the affected docum  []  []  []  []  []  []  []  []  []  [	Documents identified ment number in Block Tank Calibration Manua Health Physics Procedures Procedures Procedures Spares Multiple Unit List Test Procedures/Specific Component Index ASME Coded Item Human Factor Consider Computer Software Electric Circuit Schedul ICRS Procedure Process Control Manua Process Flow Chart Purchase Requisition Tickler File	20.
	N/A					
Design Authority Cog. Eng. Cog. Mgr. SD GOD	41.	Soft .	3/16/98	Design Agent PE : QA	nature	Date
Design Authority Cog. Eng. Cog. Mgr. SD GOD QA	SJ GIAMBERARDINI	Soft .	3/16/98	Design Agent PE QA Safety	nature	Date
Cog. Mgr. SD GOD QA Safety	SJ GIAMBERARDINI	John John John John John John John John	3/16/98	Design Agent PE QA Safety Design	nature	Date
Design Authority Cog. Eng. Cog. Mgr. SD GOD QA	SJ GIAMBERARDINI	Ary.	3/16/98	Design Agent PE QA Safety Design Environ.	nature	Date
Design Authority Cog. Eng. Cog. Mgr. SD GOD QA Safety	SJ GIAMBERARDINI	Arly	3/16/98	Design Agent PE QA Safety Design Environ. Other		Date
Design Authority Cog. Eng. Cog. Mgr. SD GOD QA Safety Environ.	SJ GIAMBERARDINI	Softing Ares	3/16/98	Design Agent PE QA Safety Design Environ. Other BHI PW	L	Date
Design Authority Cog. Eng. Cog. Mgr. SD GOD QA Safety Environ. Other	SJ GIAMBERARDINI	Arly	3/16/98	Design Agent PE QA Safety Design Environ. Other	L	

# THIS PAGE INTENTIONALLY LEFT BLANK

# **B Plant End Points Document**

S.J. Giamberardini

B&W Hanford Company, Richland, WA 99352 U.S. Department of Energy Contract DE-AC06-96RL13200

FDT/ECN: 645548

UC: 2050

Org Code: 16C00 B&R Code: EW750000 Charge Code: KN402 Total Pages:

Key Words: B Plant, Deactivation, End point criteria, EM-60, EM-40,

Functional end point matrix, common end point criteria.

The B Plant end points are necessary to facilitate the transfer of the B Plant facility from the Office of Facility Transition and Management (EM-60) to the office of Environmental Restoration (EM-40). The criteria were derived from a logical process for determining end points for the systems and spaces at the B Plant facility based on the objectives, tasks and expected future uses pertinent to that system or space. Furthermore, the established end points meet the intent and support the guidance for acceptance "U.S. Department of Energy Office of Environmental Management (EM-40) Decommissioning Resources Manual, Chapter 3, Facility Transition (Draft)."

Deactivation work involves a range of tasks such as removal of hazardous material, elimination of shielding of radiation fields... partial decontamination to permit access for inspection, installation of monitors and alarms, etc. It is important that the end point of each of these tasks be established clearly and in advance, for the following reasons:

- End Point must be such that the central element of the deactivation objective to achieve stability is unquestionably achieved.
- Much of the deactivation work involves worker exposure to radiation or dangerous materials. This can be minimized by avoiding unnecessary work.
  - Each task is, in effect competing for resources with other deactivation tasks and other facilities. By assuring that each task is appropriately bounded, DOE's overall resources can be used most fully and effectively.

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: Document Control Services, P.O. Box 950, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Release Approval

Release Stamp

RELEASE

# THIS PAGE INTENTIONALLY LEFT BLANK

COVER SHEET

HNF. SD-WM-TPP-054

RSU 28

This supporting document serves to delineate those specific deactivation End Points for the B Plant facility.

Purposes and Use of Document: This document was prepared within the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts.

Legal Disclaimer: This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, not any of their employees, nor any of the contract, subcontractors or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or nay third part's use of the results of such use of any information, apparatus, product, or process disclosed, or represent that is use would not infringe privately on.

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: Document Control Services, P.O. Box 950, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Release Approval Date Release Stamp

# THIS PAGE INTENTIONALLY LEFT BLANK

## RECORD OF REVISION

(1) Document Number/,4/48
HNF-SD-\$M-TPP054, Rev. 2B

Page 1

(2) Title

B Plant End Point Document

	CHANGE CONTROL RECORD		
(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authori:	zed for Release (6) Cog. Mgr. Date
0	(7) Rev. O. EDT 611739, June 4, 1996, Page change per ECN 629681.	L. D. Stefanski	S. D. Godfrey
1	Revision of entire document ECN 638602	P. K. Ryan	S. D. Godfrey
2	Revision of entire document ECN 645519	S. J. Giamberardini	S. D. Godfrey
2A	Page change per ECN 645546	S. J. Giamberardini	S. D. Godfrey
RES 2B	Page change per ECN 645548	S. J. Giamberardini	S. D. Godfrey
			, , ,
		1	
•			
		-	
		-	
		1	
-			

# THIS PAGE INTENTIONALLY LEFT BLANK

B-PLANT

END

POINTS

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

2	21-B Cell 23 Vessels (6)	8
2	21-B Cell 24 Vessels (6)	9
2	21-B Cell 25 Vessels (6)	10
2	21-B Cell 26 Vessels (6)	1
	21-B Cell 27 Vessels (6)	12
	21-B Cell 28 Vessels (6)	13
	21-B Cell 29 Vessels (6)	
	21-B Cell 30 Vessels (6)	
	221-B' Cell 31 Vessels (6)	
	221-B Cell 32 Vessels (6)	
	221-B Cell 33 Vessels (6)	
	221-B Cell 34 Vessels (6)	
	221-B Cell 35 Vessels (6)	
	221-B Cell 36 Vessels (6)	
	221-B Cell 37 Vessels (6)	
	221-B Cell 38 Vessels (6)	
	221-B Cell 39 Vessels (6)	
	221-B Cell 40 (2)	
	221-B Cell 5 Vessels (6)	
	221-B Cell 6 Vessels (6)	
	221-B Cell 7 Vessels (6)	
1	221-B Cell 8 Vessels (6)	64
	221-B Cell 9 Vessels (6)	
	221-B Facility Exterior (3)	
	221-B Operating Gallery Active Vessels (6)	42
	221-B RR Tunnel (2)	
	221-B SWP Change Room Lobby (2)	
	221B-FP-F-22-9 A/Vessel Vent Filter Pits (2)	
	221B-FP-F-22-9 A/Vessel Vent Filter Pit Vessels (6)	
	221B-FP-F-22-9 B/Vessel Vent Filter Pits (2)	
	221B-FP-F-22-9 B/Vessel Vent Filter Pit Vessels (6)	
	221B-FP-F-22-9 C/Vessel Vent Filter Pits (2)	
	221B-FP-F-22-9 C/Vessel Vent Filter Pit Vessels (6)	
	221B-SMP-R/Inactive Utility Pit (2)	
	221BB-VP-01/Never Used Steam Condensate Pit (2)	
	221BC-VP-01/Inactive Utility Pit (2)	
	221BC-VP-02/Inactive Utility Pit (2)	
	Vessel Vent System in 221B-FP-F-22-9A&B (6)	
	WESF Isolation (6)	334
221 D	Operating Gallery	335
221-D	221-B Operating Gallery (2)	337
	221-B Operating Gallery List A Vessels (6)	347
	221-B Operating Gallery List B Vessels (6)	
	221-B Operating Gallery Systems (6)	344

# HNF-SD-WM-TPP-054 Rev. 2

B Plant End Points

	Miscellaneous Streams (6)
	Organic Storage Tanks (3)
	Railroad Vehicles (3)
	Underground Storage Transfer Lines (Tank Farms) (6)
	UPR Site UPR-200-E-1 (3)
	UPR Site UPR-200-E-103 (3)
	UPR Site UPR-200-E-112 (3)
	UPR Site UPR-200-E-138 (6)
	UPR Site UPR-200-E-140 (3)
	UPR Site UPR-200-E-2 (3)
	UPR Site UPR-200-E-3 (3)
	UPR Site UPR-200-E-32 (3)
	UPR Site UPR-200-E-41 (3)
	UPR Site UPR-200-E-44 (3)
	UPR Site UPR-200-E-52 (3)
	UPR Site UPR-200-E-64 (3)
	UPR Site UPR-200-E-69 (3)
	UPR Site UPR-200-E-7 (3)
. "	UPR Site UPR-200-E-80 (3)
	UPR Site UPR-200-E-85 (3)
	UPR Site UPR-200-E-90 (3)
	UPR Site UPR-200-E-95 (3)
	Yard (3)
	Yard Vessels (6)
Atta	chment-A, Vessel Listing Table
	chment-C. Pressure Vessel Listing Table

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

221-B Cell 21 Vessels (6)	236
221-B Cell 22 Vessels (6)	237
221-B Cell 23 Vessels (6)	238
221-B Cell 24 Vessels (6)	239
221-B Cell 25 Vessels (6)	240
221-B Cell 26 Vessels (6)	241
221-B Cell 27 Vessels (6)	242
221-B Cell 28 Vessels (6)	243
221-B Cell 29 Vessels (6)	244
221-B Cell 30 Vessels (6)	245
221-B Cell 31 Vessels (6)	246
221-B Cell 32 Vessels (6)	
221-B Cell 33 Vessels (6)	
221-B Cell 34 Vessels (6)	
221-B Cell 35 Vessels (6)	
221-B Cell 36 Vessels (6)	251
221-B Cell 37 Vessels (6)	252
221-B Cell 38 Vessels (6)	253
221-B Cell 39 Vessels (6)	254
221-B Cell 40 (2)	
221-B Cell 5 Vessels (6)	
221-B Cell 6 Vessels (6)	
221-B Cell 7 Vessels (6)	
221-B Cell 8 Vessels (6)	264
221-B Cell 9 Vessels (6)	265
221-B Facility Exterior (3)	266
221-B RR Tunnel (2)	275
221-B SWP Change Room Lobby (2)	282
221B-FP-F-22-9 A/Vessel Vent Filter Pits (2)	287
221B-FP-F-22-9 A/Vessel Vent Filter Pit Vessels (6)	293
221B-FP-F-22-9 B/Vessel Vent Filter Pits (2)	
221B-FP-F-22-9 B/Vessel Vent Filter Pit Vessels (6)	300
221B-FP-F-22-9 C/Vessel Vent Filter Pits (2)	
221B-FP-F-22-9 C/Vessel Vent Filter Pit Vessels (6)	307
221B-SMP-R/Inactive Utility Pit (2)	308
221BB-VP-01/Never Used Steam Condensate Pit (2)	
221BC-VP-01/Inactive Utility Pit (2)	320
221BC-VP-02/Inactive Utility Pit (2)	
Vessel Vent System in 221B-FP-F-22-9A&B (6)	332
WESF Isolation (6)	
221-B Operating Gallery	335
221-B Operating Gallery (2)	337
221-B Operating Gallery List A Vessels (6)	

221-B Operating Gallery List B Vessels (6)	343
221-B Operating Gallery Systems (6)	
221-B Pipe Gallery	
221-B Pipe Gallery (1)	
221-B Pipe Gallery System (6)	
221-B Pipe Gallery Vessels (6)	361
221-B Stairwells	
221-B Electrical & Pipe Galleries off of Stairwell #1 (2)	
221-B Stairwells 1, 3, 11, 13 and 19 (1)	
221-B Stairwells 5, 7, 9, 15 and 17 (2)	
221-B Stairwells System (6)	
221-BB Steam Condensate (BCS)	
221-BB Steam Condensate (BCS) Building (2)	
221-BB Steam Condensate (BCS) Building Exterior (3)	
221-BB Steam Condensate (BCS) Building System (6)	
221-BB Vessels (6)	
221BB-MVP-01/221BB North Condensate Pit (2)	402
221-BC Change Room	408
221-BC Change Room Building (2)	
221-BC Change Room Building Exterior (3)	
221-BC Change Room Building System (6)	
221-BF Process Condensate (BCP) Storage Pit	422
221-BF Process Condensate (BCP) Storage Building (2)	
221-BF Process Condensate (BCP) Storage Building (2)	
221-BF Process Condensate (BCP) Storage Building System (6)	
221-BF Vessels (6)	
221-Dr Vessels (0)	
271-B Support Building	441
271-B Basement Shops (1)	443
271-B Basement System (6)	
271-B Elevator (5)	
271-B First Floor (1)	456
271-B First Floor Vessels (6)	460
271-B Second Floor (1)	
271-B Second Floor System (6)	
271-B Support Building Exterior (3)	
271-B Third Floor AMU (1)	476
271-B Third Floor Vessels (6)	
271-B Laundry Building (2)	482

HNF-SD-WM-TPP-054 Rev. 2

# **Table of Contents**

Preface	1
Transit	ion Administration
	Internal Spaces, Routine Access Required
	Internal Spaces, No Access Expected
Case 3	External Spaces, Including Building Exterior Envelopes
Case 4	System - Operational 57 Functional End Point Matrix (Level I) 59 Spaces/Systems Summary 60 Criteria (Level II) 61
Case 5	System - Mothballed
Case 6	System - Abandoned in Place
End Po	pints (Level III)93
211-В	Area

211-BA Chemical Sewer Neutralization Building Exterior (3)	109
211-BA Chemical Sewer Neutralization Building System (6)	113
211-BA Vessels (6)	
211-BB MCC Building (2)	119
211-BB MCC Building Exterior (3)	120
217-B Demineralizer Building (2)	125
217-B Demineralizer Building Exterior (3)	
217-B Demineralizer Building System (6)	134
217-B Vessels (6)	138
276-B Organic Makeup/Paint Storage Building (2)	
276-B Organic Makeup/Paint Storage Building Exterior (3)	143
276-B Organic Makeup/Paint Storage Building System (6)	148
276-B Vessels (6)	151
212-B Facility	
212-B Canyon (2)	
212-B Change Room (2)	
212-B Crane (5)	
212-B Facility Exterior (3)	
212-B Hot Cell System (6)	
212-B HVAC Building (2)	
212-B HVAC System (6)	
212-B Operating Gallery (1)	
212-B Truck Port (2)	
212-B Vessels (6)	195
	100
221-B Electrical Gallery	
221-B Electrical Gallery (1)	
221-B Electrical Gallery System (6)	
221-B Electrical Gallery Vessels (6)	208
001 D.E. 114-	200
221-B Facility	
221-B Canyon & Deck (2)	
221-B Canyon Cell 4 (2)	
221-B Canyon Crane (5)	
221-B Cell 10 Vessels (6)	
221-B Cell 11 Vessels (6)	
221-B Cell 12 Vessels (6)	
221-B Cell 13 Vessels (6)	
221-B Cell 14 Vessels (6)	
221-B Cell 17 Vessels (6)	
221-B Cell 18 Vessels (6)	
221-B Cell 19 Vessels (6)	
221-B Cell 20 Vessels (6)	235

271-B Laundry Building Exterior (3)	486
291-B Canyon Ventilation	491
291-B A/B/C/D/E Sump/seal pits (2)	
291-B Exhaust Fans (6)	
291-B Filter Deactivation (2)	
291-B Stack (3)	
291-B Stack/Steam Turbine Building (2)	
291-B Stack/Steam Turbine Building Exterior (3)	
291-B Stack/Steam Turbine Building System (6)	
291-B Yard (3)	
291-BB A & B Filter Instrument Building (2)	
291-BB A & B Filter Instrument Building Exterior (3)	
291-BB A & B Filter Instrument Building System (6)	
291-BC C Filter Building (2)	
291-BC C Filter Building Exterior (3)	557
291-BD C Filter Instrument Building (2)	564
291-BD C Filter Instrument Building Exterior (3)	569
291-BD C Filter Instrument Building System (6)	576
291-BF D Filter Instrument Building (2)	580
291-BF D Filter Instrument Building Exterior (3)	584
291-BF D Filter Instrument Building System (6)	
291-BG E Filter Instrument Building (2)	
291-BG E Filter Instrument Building Exterior (3)	
291-BG E Filter Instrument Building System (6)	
291-BJ F Filter Building (2)	
291-BJ F Filter Building Exterior (3)	
291-BJ F Filter Building System (6)	
291-BK Monitoring Control Building (1)	
291-BK Monitoring Control Building Exterior (3)	
292-B Stack Monitoring Building Exterior (3)	
292-B Stack Monitoring Building (2)	
292-B Stack Monitoring Building System (6)	
Sand Filter (3)	644
Water Tank for Filter Seals (6)	652
Case 4 System - Operational	
Operational Electrical System (4)	
Operational Remote Monitoring System (4)	
Surveillance Lighting (4)	667
Case 6 System - Abandoned in Place	
Deactivated Electrical System (6)	674
Fire Protection B26 (6)	678

	Process and Instrument Air System (6)	686
	Raw Water B20 (6)	690
	Sanitary Water B21 (6)	692
	Steam B22 (6)	695
	Substation C8-S49 (2)	
	Substation C8-S49 Exterior (3)	701
	Substation C8-S77 (2)	
	Substation C8-S77 Exterior (3)	
Liquid	Effluents	713
	207-B Retention Basin (3)	715
	207-B Retention Basin System (6)	720
	207-BA CBC Sampling Building (2)	724
	207-BA CBC Sampling Building System (6)	729
	216-B-59 High Risk Cooling Water Retention Basin (3)	
	216-B-59 High Risk Cooling Water Retention Basin System (6)	
	216-B-64 Steam Condensate Retention Basin (3)	
	216-B-64 Steam Condensate Retention Basin System (6)	
	221-BA Cooling Water Monitor Sample Building (2)	
	221-BA Cooling Water Monitor Sample Building System (6)	
	221-BG Cooling Water Monitor Sample Building (2)	
	221-BG Cooling Water Monitor Sample Building Exterior (3)	
	221-BG Cooling Water Monitor Sample Building System (6)	
Mobil	e Offices	
	Mobile Office MO-109 at 224-B (2)	772
	Mobile Office MO-322 at 207-B Basin (2)	777
	Mobile Office MO-444 at 271-B (2)	781
	Mobile Office MO-446 at 271-B (2)	785
	Mobile Office MO-537 at 291-B Area (2)	789
	Mobile Office MO-930 at 292-B (2)	794
	Mobile Office MO-995 at 271-B (2)	
		0.00
Suppo	ort Areas	
	221-BD Laundry Storage Building (2)	
	222-B Office Building (1)	
	222-B Office Building Exterior (3)	
	222-B Office Building System (6)	
	2711-B Annex Building (2)	
	2715-B Paint Storage Building (2)	
	2715-B Paint Storage Building Exterior (3)	
	2716-B Laundry/Change Building (2)	
	272-BA Spare Parts Shop (2)	841
	272-BA Spare Parts Shop Exterior (3)	015

	272-BB Insulation Shop (2)
	272-BB Insulation Shop Exterior (3)
Yard	
	Miscellaneous Streams (6)
	Organic Storage Tanks (3)
	Railroad Vehicles (3)
	Underground Storage Transfer Lines (Tank Farms) (6)
	UPR Site UPR-200-E-1 (3)
	UPR Site UPR-200-E-103 (3)
	UPR Site UPR-200-E-112 (3)
	UPR Site UPR-200-E-140 (3)
	UPR Site UPR-200-E-2 (3)
	UPR Site UPR-200-E-3 (3)
	UPR Site UPR-200-E-32 (3)
	UPR Site UPR-200-E-41 (3)
	UPR Site UPR-200-E-44 (3)
	UPR Site UPR-200-E-52 (3)
	UPR Site UPR-200-E-64 (3)
	UPR Site UPR-200-E-69 (3)
	UPR Site UPR-200-E-7 (3)
	UPR Site UPR-200-E-80 (3)
	UPR Site UPR-200-E-85 (3)
	UPR Site UPR-200-E-90 (3)
	UPR Site UPR-200-E-95 (3)
	Yard (3)
	Yard Vessels (6)
Attack	nment-A, Vessel Listing Table A-1
	mment-C, Pressure Vessel Listing Table
	******* W

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# I. Executive Summary

Linclosed are the B Plant End Points required to complete the Facility Transition Phase and initiate the Surveillance and Maintenance (S&M) Phase. The primary objectives of Transition Projects is to transition a safe & stable facility and reduce S&M costs. Upon completion, the facility will be in a condition acceptable for the transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). The End Points were derived from the systems and spaces at the B-Plant facility using a logical process based on the objectives, tasks, and expected future uses pertinent to that system or space. This follows the process used at the PUREX and UO<sub>3</sub> facilities and the <u>U.S.</u>

Department of Energy Office of Nuclear Material and Facility Stabilization (EM-60) Facility Deactivation End Points Handbook, Volume 1: Methods and Examples and Volume 2: Deactivation Practices.

Furthermore, the established criteria meets the intent and supports the guidance for acceptance, <u>U.S.</u>

Department of Energy Office of Environmental Management (EM-40) Decommissioning Resource Manual, Chapter 3, Facility Transition (Draft) and Transmittal of Acceptance Criteria for the B-Plant Complex letter from Richard A. Holten to Jim Mecca, January 19, 1996, #025662.

# II. Background

The B Plant facility at the Department of Energy's Hanford Site is located in the south central region of Washington State. The plant was constructed between 1943-45 and was originally designed to process spent nuclear fuels in support of the Manhattan Project. After its original mission was completed, the plant was lodified from 1962-67 for the separation of strontium and cesium from the fission product waste stream from the Plutonium-Uranium Extraction Plant (PUREX). The recovered, purified and concentrated strontium and cesium solutions were then transferred to the Waste Encapsulation and Storage Facility (WESF) for conversion to solid compounds, encapsulation, and interim storage. These Cs/Sr separation campaigns were conducted at B Plant from 1968 to 1985.

B Plant is comprised of three main buildings - the 221-B Processing building, or canyon; the 271-B Service and Office Building; and the 225-B WESF Building. Many smaller support buildings exist within the B-Plant complex. The WESF building, 225-B is not in the scope of the B Plant deactivation project.

The 221-B Building is a reinforced concrete structure. The processing portion of the 221-B Building consists of a canyon and craneway, 40 process cells, a hot pipe trench, a ventilation tunnel and a railroad tunnel. The service and operating portion of the building consists of an operating gallery, a pipe gallery and an electrical gallery. The 271-B Building consists of a basement and three floors. It is a reinforced concrete and cement block structure. This building is attached to the north and center of the 221-B Building.

In May 1991, DOE eliminated B Plant from any future processing missions due to the difficulties of bringing a 46 year old plant up to current environmental standards. Since that time B Plant has continued to operate, ensuring safe storage and management of approximately 144 MegaCuries of Cesium and Strontium Capsules in the WESF as well as substantial radiological contamination and residual inventory from past operations. DOE issued a B Plant shutdown order on October 5, 1995.

The legacy of B Plant's long history of radiochemical separation process missions is a substantial quantity of poorly characterized radioactive inventory. This inventory is in the form of stored process liquids (including liquid organics), kilocurie quantities of solid particulate strontium and cesium contained in underground high-efficiency particulate air (HEPA) filters, and a highly contaminated facility structure.

B Plant has an unique status compared to other former production facilities in that it supplies critical system support to WESF. WESF has a ongoing mission for the safe storage of the capsule inventory. This support complicates the deactivation process in that these systems must be "decoupled" prior to ultimate deactivation.

#### III. Introduction

The Department of Energy (DOE) is proceeding with the formidable task of decommissioning those nuclear defense facilities which are no longer used or needed. There are many such facilities at DOE sites around the nation. Ultimately, all facilities will be transitioned, reducing the threat to the public or environment. However, with so many facilities requiring near term attention, DOE has been moving aggressively to assess the condition of the affected facilities, and to deactivate them on a prioritized basis, thus achieving the maximum degree of protection in the shortest possible period.

For each facility, the overall objective of transition is to achieve a safe, stable and environmentally sound condition, suitable for an extended period, as quickly and economically as possible. Once transitioned, the facility is kept in its stable condition by means of a methodical surveillance and maintenance (S&M) program, pending ultimate disposition.

Transition work involves a range of tasks, such as removal of hazardous material, elimination or shielding of radiation fields, partial decontamination to permit access for inspection, installation of monitors and alarms, etc. It is important that the end point of each of these tasks be established clearly and in advance, for the following reasons:

- End points must be such that the central element of the Transition objective to achieve stability is unquestionably achieved.
- Much of the Transition work involves worker exposure to radiation or dangerous materials. This can be minimized by avoiding unnecessary work.
- Each task is, in effect, competing for resources with other Transition tasks and other facilities. By
  assuring that each task is appropriately bounded, DOE's overall resources can be used most fully and
  effectively.

# IV. End Point Principles

this document was derived from a logical process of determining end points for each of the facility's systems and spaces based on the objectives, tasks, and expected future uses pertinent to that system or space. End points are developed in a hierarchical way, in successively more detailed levels, to the point of quantitative item-by-item end points suitable for developing engineering work plans and performing field work packages.

There are several guiding principles (ground rules) which form the foundation of the end point process. They are:

- The decision to create an end point should be driven by, and clearly linked to, top-tier program objectives, not by feasibility or capability. This is the central principle of the logic-based approach. End point determinations, along with allocation of resources and selection of methods, should all stem directly and clearly from program goals and top-tier objectives.
- The end point condition of the Transitioned facility should employ defense-in-depth as a fundamental safety approach. As applied here, defense-in-depth involves three layers of protection: elimination of hazards, effective facility containment, and facility monitoring and control.
- End point decisions are integrally linked to decisions (and constraints) on resources and methods. Cost
  effectiveness is important. DOE needs to achieve the maximum safety improvement for every dollar
  spent.
  - A successful end point development requires ownership "buy-in"- by all affected organizations including project planners, those who implement the plans, and the ultimate customers (EM-40). This should be an explicit part of the process.
- Work teams in the field need clear, quantitative End Points. They can't work effectively with vague or functional objectives. To be workable, end points must be:
  - established up front
  - clear, quantitative
  - practical and achievable
- It is not known when or what the ultimate facility disposition will be. Therefore, end point decisions should not be driven by dispositioning presumptions. This does not preclude insightful decisions being made to prevent hinderance during the final dispositioning process.
- End point development is an iterative process. Most end point decisions can be made during the
  planning stages early in the project, however, some will have to be revisited as the Transition Phase
  proceeds.

# V. End Point Methodology

The creation of end points is a logical, top down process that takes into account the Transition objectives, the kinds of work which is to be done (or considered), and the parts of the facility - spaces and systems - which will have to be addressed. The following is a brief synopsis of the process for establishing end points:

# 1. Defining the Objectives

Every end point is driven by an objective; therefore, step 1 is to define the top level objectives which will then form the basic criteria for the end points. For B-Plant (and generally for all Transition projects) they are:

- Protecting the public and the environment
- Facilitating S&M
- Facilitating the ultimate Decommissioning work
- Complying with regulations and requirements

# 2. Defining Task Types

Task types are the series of tasks which take the facility from its existing state, with hazards and conditions resulting from its lifetime of operation, to its deactivated state. For B-Plant Deactivation, the following Task Types were used throughout the End Point development process.

Note: Many of the activities described below overlap with other Task Type activities. The focus should be on why the activity is performed not which Task Type it falls under.

- TT-1 Hazards The elimination or reduction of hazards, nuclear and non-nuclear, is a fundamental action to achieve defense-in-depth protection for the facility during its S&M phase. Elimination and/or reduction activities include removing, isolating, draining and minimizing activities. Administrative reviews of known hazardous conditions (i.e. Confined Spaces) are also included in this Task Type.
- TT-2 Radiation Fields The reduction, shielding or isolation of radiation fields supports ALARA practices and protects both deactivation and S&M workers while performing activities throughout the facility. Activities associated with this Task Type include removal, shielding, documenting and ensuring the proper radiological posting of remaining radiation fields.
- TT-3 Contamination The removal, reduction, or isolation/containment of radioactive contamination to mitigate and prevent spreading; supports ALARA practices and protects both deactivation and S&M workers while performing activities throughout the facility. Activities associated with this Task Type include decontamination, isolation, fixing, documentation and ensuring the proper radiological posting of contaminated areas.

- TT-4 Waste Compliance with regulations and requirements drive the removal and disposal of radioactive, dangerous and mixed waste items from the plant. Task Type activities generated by these regulations and Waste Minimization practices include removal, Tank Flushing, excessing, RCRA permitting and waste disposal.
- TT-5 Isolate and Contain Effective containment of the facilities remaining hazards and protection from the environment is another fundamental action of the defense-in-depth approach. Task Type activities include blanking, plugging, covering, removal, screening, and sealing of doors, windows, pipe penetrations, holes, drains etc.
- Monitor and Control Monitoring and Control is the final fundamental action of the defense-in-depth approach to achieve a safe, stable facility suitable for long term S&M. This Task Type provides the necessary activities required to support and minimize the cost, risk and hazards involved with the future S&M of the facility. Examples are instrumentation, installation of windows in ancillary buildings, and providing surveillance lighting.
- TT-7 Refurbish or Install Issues identified during the transition which must be completed to ensure a safe, sound, stable facility are included under this Task Type. Activities include structural repairs and roof sealing and the modification of the facility ventilation system. A simple Cost Benefit Analysis should be performed prior to including an activity under this Task Type. For example, the cost to repair a small ancillary buildings leaking roof may warrant demolition rather than repair.
- TT-8 Document and Label This Task Type covers the documentation and labeling required for the specific space or system. Additional supporting documentation not included in the other Task Types but is specific to the space or system is also included here. Documentation that is "global" to the Project has been included in the Administrative End Point section.

# 3. Classification of Systems and Spaces

The facility is comprised of spaces and systems and end points need to be established for each. The spaces and system will be classified, in terms of their intended deactivated condition, into six (6) cases, as follows:

- Internal spaces for which routine access will be required
- Internal spaces for which access is not expected
- External spaces including building exterior envelopes
- Systems/equipment which must be kept operational
- Systems/equipment to be mothballed (i.e., suitable for later refurbishment and operation)
- Systems/equipment to be abandoned in place.

# 4. Integration of Objectives, Tasks and the Six Cases

The overall process then is to assess the entire job (project) by examining its three dimensions - objectives, tasks, and spaces/systems - in a logical, top down manner. The general sequence is as follows:

#### Level I

• For each of the six (6) spaces/systems (e.g., Internal Space, Routine Access Required), a simple functional matrix is used to determine, in general terms, which tasks are necessary to achieve the facility objectives. This begins to define the scope of the end points in a top level, generic manner.

### Level II

• Using the output of that evaluation, a set of end point criteria is developed (in more detailed quantitative terms) for each applicable Objective/Task intersection identified by the individual matrix for each of the six cases. This set of criteria will be applied against every element within its respective case classification.

#### Level III

 As the level II criteria is applied to each of the elements within the respective case, a set of End Points will be established from the applicable criterion. These End Points define the scope of the engineering workplans and field work packages.

During the End Point development process, facility generic issues or conditions are identified, (i.e. radiological posting requirements). The documentation supporting the issue or conditions resolution becomes an End Point Technical Information (EPTI). EPTI's provide a basis for future reference and ensure consistent application throughout the project.

In addition, the B-Plant complex is diverse and may cause the generation of level III End Points that may not be clearly linked to the established criteria.

## VI. Document Elements

Functional End Points (Level I Matrix) -

The initial matrix is used to determine, in general terms, the kinds of tasks necessary to achieve the facility objectives. It prioritizes or focuses the importance of each task as it relates to a particular objective into four general categories:

(1) Primary Considerations:

Those tasks, which due to the objectives they support, will likely be the controlling factor in setting the end point.

(2) Secondary Considerations:

Those tasks, which due to the objectives they support, will not likely be the controlling factor in setting the end point, but must be considered.

(3) As Applicable:

Indicates that if there is an established regulation or requirement which applies to a particular task type, an end point shall be established accordingly.

(4) Not Applicable:

Those tasks which do not directly support a particular end point objective.

(5) Meet Commitments to Stakeholders:

Indicates a specific end point resulting from a commitment that is specified by agreement.

End Point Criteria (Level II Matrix) -

Each of the six (6) cases (spaces or systems) will have a matrix defining the end point criteria which are common to <u>every</u> element within that case. For example, there may be 12 spaces within case 1 (internal spaces, routine access required) and the criteria would be applied to each of these 12 spaces.

\_nd Points (Level III Matrix) -

Each of the six (6) cases (spaces or systems) will have a matrix defining end points which are specific to only one element within that case. For example, there may be 12 spaces within Case 1, but only one of these spaces may have the End Point to isolate floor drains.

# VII. Definitions and Acronyms

### ALARA

- As Low As Reasonably Achievable

### **ALEA**

- As Low as Economically Achievable

As Applicable

- As applied in the End Point matrices, "As Applicable" indicates that if there is an established regulation, requirement, or a commitment to stakeholders which applies to a particular Task Type, an end point shall be established accordingly.

#### A

- Contamination Area

# CASE 1 / Internal Spaces, Routine Access Required

- Spaces within a facility which routine access will be required.

# CASE 2 / Internal Spaces, No Access Expected

- Spaces within a facility which routine access is not expected.

# CASE 3 / External Spaces, Including Building Exterior Envelope

- Spaces subject to ambient conditions including the outside surfaces of buildings.

## CASE 4 / System, Operational

- System is required to remain in service.

## CASE 5 / System, Mothballed

- System is left in a state where it may be suitable for later refurbishment or operation to facilitate future S&M/Decommissioning efforts.

# CASE 6 / System, Abandoned In Place

- After meeting all applicable end points, the system is left in place.

## CRITERIA (LEVEL II)

- A set of standards used to define the required actions.

#### Deactivation

Activities associated with removing facility systems and/or areas from operational service with the intent
of being ready for facility transition to either convert the facility for another use or permanent
shutdown.

# **Decommissioning Process**

- The sequential phases for a facility, once a shutdown decision is made by DOE-HQ, through facility transition, surveillance and maintenance (S&M), and facility dispositioning.

# Defense-in-depth

- As applied here, defense-in-depth involves three layers of protection: elimination of hazards, effective facility containment, and facility monitoring and control.

# Disposition Phase

- Final period in the life of a facility.

#### **EPTI**

- End Point Technical Information. A compilation of documents to support end point conclusions.

#### **FHA**

- Fire Hazard Analysis

## FUNCTIONAL MATRIX (LEVEL 1)

- The initial matrix is used to determine, in general terms, the kinds of tasks necessary to achieve the facility objectives. It prioritizes or focuses the importance of each task as it relates to a particular objective into four general categories:
  - Primary Considerations
  - Secondary Considerations
  - As Applicable
  - Not Applicable
  - Meet Commitments to Stakeholders

### **HVAC**

- Heating, Ventilation, and Air Conditioning

### MCC

Motor Control Center. MCC's are enclosures which contain electrical distribution equipment. i.e. switchgear, breakers, etc.

#### **NEC**

- National Electrical Code

## Primary Consideration

 Those tasks, which due to the objective it supports, will likely be the controlling factor in setting the end point.

#### **PRV**

- Pressure Reducing Valve

#### **RBA**

- Radiological Buffer Area

#### Reasonable Best Effort

- That effort where parameters are reduced to "As Low As Economically Achievable" (ALEA). Implies a "Best Management Practices" approach is used to reach a realistic, logical and cost-effective conclusion.

#### Routine Access

- Access is required to perform S&M.

## Secondary Consideration

- Not likely to be a controlling factor, but considering ALEA and ALARA principles there may be merit.

#### S&M

-Surveillance and Maintenance

#### Surveillance and Maintenance

 Those activities conducted to assure that a site or facility remains in a physically safe and environmentally secure condition, and includes periodic inspections and monitoring of the property, appropriate contamination control actions, and required maintenance of barriers controlling access.

### **SME**

- Subject Matter Expert

## Stakeholder

- Stakeholders can be separated into four broad groups:
- Traditional stakeholders are those that have concurrence or approval authority for Project activities
  and are within existing DOE Headquarters (DOE-HQ), DOE Richland Operations Office (DOE-RL),
  and BWHC organizations (e.g., the independent safety and quality assurance organizations). These
  stakeholders include B-Plant Deactivation Project participants and internal stakeholders whose active
  participation is necessary for the Project to succeed.
- Legislated stakeholders are those who have collateral or enforcement authority, invoked through the
  legislative process, for Project activities. These stakeholders are partners to the Project, such as the
  Washington State Department of Ecology, Environmental Protection Agency, Department of Health
  and the Defense Nuclear Facilities Safety Board. Legislated stakeholders' active participation is
  necessary for success of the B-Plant Deactivation Project.
- Public stakeholders are those who influence DOE policy toward the Project through public advocacy
  or opinion. Public stakeholders include BWHC employees, the general public, and advisory groups.
  Public stakeholders' participation is voluntary and generally depends on the B-Plant Deactivation
  Project's perceived impact on their lives and interests.
- Native American Nations

For the purposes of End Points, "Meet Commitments To Stakeholders" refers **ONLY** to the last three bullets above.

#### Surveillance Corridor

- The recommended pathway to be used for S&M activities.

#### T-Duct

- An enclosure which contains insulated wiring for equipment/instrumentation.

#### Transition Phase

- Those activities necessary to place the subject facility in a safe, stable, and environmentally sound condition, suitable for an extended period of surveillance and maintenance pending final disposition. Facility transition starts with termination of operations, includes the establishment of a S&M program, and ends with the achievement of facility-specific end points.

#### dministration

Completion and verification of the B Plant End Points by both the DOE EM-60 Contractor B&W Hanford Company (BWHC) and the DOE EM-40 Contractor Bechtel Hanford Inc. (BHI), is required to complete the Facility Transition Phase and initiate the Surveillance and Maintenance (S&M) Phase of the Decommissioning Process. Upon BHI acceptance, the facility will be in a condition acceptable for the transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). A Memorandum of Agreement (MOA) will be required to delineate and transfer responsibilities for the future S&M activities associated with B Plant. The document will also describe the facility condition including environmental, safety and outstanding regulatory concerns.

#### **End Point Closure**

The End Point document has grouped the facilities spaces and systems into a number of manageable areas. These areas are closely related to the engineering workplans which guide completion of many of the End Points.

Upon completion of an End Point, a BWHC field representative will initial complete on the field copy of the End Point document. A BHI field representative will then verify acceptable completion of the applicable activity. Verification may be performed by review of documents, letters, photo's, work packages, work lans or visually. When all the End Points for a specific area of the facility have been completed and erified, designated BWHC Management along with BHI Management, will sign completion and acceptance of that area. A filing system will be required for storage of the documentation closing End Points.

#### **Administrative End Points and Turnover Package**

Administrative End Points are a compilation of identified supporting documentation for the transition of the B Plant facility into the Surplus Facilities Program. An End Point has been assigned to them for tracking and verification purposes only. The compilation includes those documents that are required by law, Tri-Party Agreements, Department of Energy (DOE) Orders or have been identified by B Plant Management, the DOE and/or Bechtel Hanford Inc. (BHI).

Additional supporting documentation is also included under the requirements of a Turnover Package. The Turnover Package activities support the physical "hands on" documentation required for performance of "future" surveillance entries, audits and to assist disposition planning i.e., "Final Radiological Surveys and Maps". Turnover Package items are addressed in the End Points for the specific Space or System where the requirement is applicable.

#### Turnover Package

- Cell arrangement drawings
- Certified vendor information (CVI)
- Chemical and hazardous substance inventory
- Deactivation work plans
- Description/photos of Case 2 spaces
- Electrical distribution drawings
- Final radiological surveys and maps
- RCT quarterly routine
- Industrial space hazards identified
- Operational systems waste accumulation areas identified Case 4
- Structural and roof studies
- Fire Hazard Analysis Requirements (FHA)
- Compliance with the Hazards Communication Program
- Compliance with the Asbestos Control Program
- Compliance with the Confined Space Program
- · Waste characterization data for egress waste

Number	End Point Title	EP Closure		
00.00.01	Air Permitting Documentation.	BWHC:		
		BHI:		
	Ref:	Date:		
	rej.	End Point Revision number:		
00.00.02	Complete Outstanding Audit Findings - QUEST, HATS, Occurrence Reports	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.03	Configuration management performed in accordance with site standards	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.04	Essential drawings and a list of all facility drawings	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.05	Fire Hazard Analysis (FHA)	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
	L company of the comp			

HNF-SD-WM-TPP-054 Rev. 2

Number	End Point Title	EP Closure
00.00.06	Memorandum of Agreement (MOA)	BWHC:
-		ВНІ:
	Ref:	Date:
	Nej.	End Point Revision number:
00.00.07	NEPA Documentation	BWHC:
		ВНІ:
	Ref:	Date:
	No.	End Point Revision number:
00.00.08	Physical Property Records Transferred	BWHC:
		BHI:
	Ref:	Date:
		End Point Revision number:
00.00.09	Preclosure Work Plans	BWHC:
		ВНІ:
	Ref:	Date:
		End Point Revision number:
00.00.10	Preliminary S&M Plan	BWHC:
		BHI:
	Ref:	Date:
		End Point Revision number:

HNF-SD-WM-TPP-054 Rev. 2

End Point Title	EP Closure
B Plant procedures inactivated	BWHC:
	BHI:
Ref	Date:
Trey.	End Point Revision number:
Removal/disposal of radioactive, hazardous and mixed waste in accordance with state and federal regulations	BWHC:
	BHI:
Ref:	Date:
	End Point Revision number:
S&M phase updated Building Emergency Plan (BEP)	BWHC:
	BHI:
Ref:	Date:
	End Point Revision number:
S&M phase updated Safety Equipment List (SEL)	BWHC:
·	BHI:
Ref:	Date:
	End Point Revision number:
Exact geographic limits established for area transferred to ERC	BWHC:
	BHI:
P.o.f.	Date:
Acj.	End Point Revision number:
	Ref:

Number	End Point Title	EP Closure
00.00.16	S&M phase updated Surveillance and Maintenance (S&M) Plan	BWHC:
		BHI:
	Ref:	Date:
	Rej.	End Point Revision number:
00.00.17	Surveillance and Maintenance (S&M) procedures and files	BWHC:
		BHI:
	Ref:	Date:
		End Point Revision number:
00.00.18	TPA and regulatory commitments	BWHC:
		BHI:
	Ref:	Date:
		End Point Revision number:
00.00.19	Transfer of classified documents to Records Holding	BWHC:
		BHI:
	Ref:	Date:
-		End Point Revision number:
00.00.20	S&M phase updated Safety Authorization Basis	BWHC:
		BHI:
	D-C	Date:
	Ref:	End Point Revision number:

HNF-SD-WM-TPP-054 Rev. 2

Number	End Point Title	EP Closure		
00.00.21	Turnover package contents completed	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.22	End Point Technical Information (EPTI)	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.23	Records inventory and disposition schedule (RIDS)	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.24	S&M phase updated Facility Environmental Monitoring Plan (FEMP)	BWHC:		
		BHI:		
	Ref:	Date:		
		End Point Revision number:		
00.00.25	Radiological condition documentation	BWHC:		
		BHI:		
	Page .	Date:		
,	Ref:	End Point Revision number:		

HNF-SD-WM-TPP-054 Rev. 2B

Number.	End Point Title	EP Closure
00.00.26	Remaining hazardous waste/dangerous waste documentation	ВWНС:
		BHI:
	Ref:	Date:
		End Point Revision number:
00.00.27	Confined space listing and map	BWHC:
		BHI:
	Ref:	Date:
		End Point Revision number:
00.00.28	Document amount and location of remaining lead inventory	ВWНС:
		BHI:
	Ref:	Date:
		End Point Revision number: 2B

### CASE 1

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

#### **B-Plant Functional End Point Matrix**

### Case 1: Internal Spaces, Routine Access Required

	Task Types							
Objectives		2	Contamination	4 Waste	5 Isolate & Contain	6 Monitor & Control	7 Refurbish or Install	8 Document & Label
		Radiation Fields						
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	1	1	ajs	aje	*
Facilitate Decommissioning	1	1	1	N/A	N/A	N/A	N/A	*
Comply with Regulations & Requirements	A	A	A	*•	N/A	N/A	N/A	A◆

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point.

Secondary Consideration Not likely to control end points, but there may be

merit if simple, cost-effective.

As Applicable

Check requirements, act accordingly.

Meet Commitments to

Stakeholders

Undefined

Undefined

Undefined

HNF-SD-WM-TPP-054

# Case 1 Internal Spaces, Routine Access Required

Rev. 2

212-B Operating Gallery	
221-B Electrical Gallery	
221-B Pipe Gallery	
221-B Stairwells 1, 3, 11, 13 and 19	
222-B Office Building	
271-B Basement Shops	
271-B First Floor	
271-B Second Floor	
271-B Third Floor AMU	

Objective		Criteria
Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.
Facilitate S&M - Protect Workers - Reduce Cost	*	Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
Facilitate Decommissioning	1	Identify/resolve/define significant technical and safety hazards that may impact decommissioning planning.
Comply with Regulations & Requirements	A	Document compliance with Confined Space Entry in accordance with WHC-CM-4-40, Industrial Hygiene Manual, Section 3.1, Rev.1 (Ref EPTI #3) for inclusion in the turnover package.
		Document compliance with the Asbestos Control Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.3, Rev.0 (Ref EPTI #2) for inclusion in the turnover package.
		Document compliance with the Hazardous Communication Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.1, Rev.0 (Ref EPTI #1) for inclusion in the turnover package.
•		Fire protection/detection will be determined in the FHA.

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rates for surveillance corridors are provided in the End Points. These were established based on starting/current dose rates and the use of ALARA, ALEA and reasonable best efforts.
Facilitate Decommissioning	1	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	Α .	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).
		Remove temporary radiological areas.

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Include survey requirements as part of the turnover package to verify containment of radioactive contamination.
		Maximum removable contamination levels for surveillance corridors are provided in the End Points. These were established based on starting/current contamination levels and the use of ALARA, ALEA, and reasonable best effort.
		Remove/fix/contain source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Facilitate Decommissioning	1	Remove/fix/contain source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	1	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	**	Remove emergency lantern batteries and fire extinguishers.
		Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

Objective		Criteria
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	1	Minimize access points to maintain control of contamination and ventilation.
		Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding spa

Task Type (TT-6): Monitor & Control				
Objective		Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug floor drains to localize water intrusion.		

Objective	ve Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	**	Refurbish industrial safety deficiencies.	

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package.
Facilitate Decommissioning	*	Provide turnover package.
Comply with Regulations & Requirements	A.	Document amount and location of remaining hazardous substances/dangerous waste
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.

### CASE 2

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

### **B-Plant Functional End Point Matrix**

Case 2: Internal Spaces, No Access Expected

	Task Types								
Objectives	1	2	3	4	5	6	7	8	
	Hazards	Hazards Radiation Fields	Contamin- ation	Waste	Isolate & Contain	Monitor & Control	Refurbish or Install	Document & Label	
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A	
Facilitate S&M - Protect Workers - Reduce Cost	*	N/A	N/A	N/A	*	*	N/A	N/A	
Facilitate Decommissioning	1	√.	1	1	N/A	N/A	N/A	*	
Comply with Regulations & Requirements	Α	A	A	**	N/A	N/A	N/A	. A+	

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point.

√
Secondary
Consideration
Not likely to control end
points, but there may be
merit if simple,

cost-effective.

A As Applicable

Check requirements, act accordingly.

Meet Commitments to
Stakeholders

Undefined

Undefined

Undefined

### Case 2

### Internal Spaces, No Access Expected

Rev. 2

207-BA CBC Sampling Building	
211-BA Chemical Sewer Neutralization Building	
211-BB MCC Building	
212-B Canyon	
212-B Change Room	
212-B HVAC Building	
212-B Truck Port	
217-B Demineralizer Building	
221-B Canyon & Deck	
221-B Canyon Cell 4	
221-B Cell 40	
221-B Electrical & Pipe Galleries off of Stairwell #1	
221-B Operating Gallery	
221-B RR Tunnel	
221-B Stairwells 5, 7, 9, 15 and 17	
221-B SWP Change Room Lobby	
221-BA Cooling Water Monitor Sample Building	
221-BB Steam Condensate (BCS) Building	
221-BC Change Room Building	
221-BD Laundry Storage Building	
221-BF Process Condensate (BCP) Storage Building	
221-BG Cooling Water Monitor Sample Building	
221B-FP-F-22-9 A/Vessel Vent Filter Pits	
221B-FP-F-22-9 B/Vessel Vent Filter Pits	
221B-FP-F-22-9 C/Vessel Vent Filter Pits	
221B-SMP-R/Inactive Utility Pit	
221BB-MVP-01/221BB North Condensate Pit	
221BB-VP-01/Never Used Steam Condensate Pit	
221BC-VP-01/Inactive Utility Pit	
221BC-VP-02/Inactive Utility Pit	
271-BA Laundry Building	
2711-B Annex Building	
2715-B Paint Storage Building	
2716-B Laundry/Change Building	
272-BA Spare Parts Shop	
272-BB Insulation Shop	
276-B Organic Makeup/Paint Storage Building	
291-B A/B/C/D/E Sump/seal pits	
291-B Filter Deactivation	
291-B Stack/Steam Turbine Building	
291-BB A & B Filter Instrument Building	
291-BC C Filter Building	
291-BD C Filter Instrument Building	

# Case 2 Internal Spaces, No Access Expected

Rev. 2

1-BF D Filter Instrument Building	
1-BG E Filter Instrument Building	
291-BJ F Filter Building	
291-BK Monitoring Control Building	
292-B Stack Monitoring Building	
Mobile Office MO-109 at 224-B	
Mobile Office MO-322 at 207-B Basin	
Mobile Office MO-444 at 271-B	
Mobile Office MO-446 at 271-B	
Mobile Office MO-537 at 291-B Area	
Mobile Office MO-930 at 292-B	
Mobile Office MO-995 at 271-B	
Substation C8-S49	
Substation C8-S77	

Objective		Criteria
Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.
Facilitate S&M - Protect Workers - Reduce Cost	*	Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
Facilitate Decommissioning	1	Identify/resolve/define significant technical and safety hazards that may impact decommissioning planning.
Comply with Regulations & Requirements	A	Document compliance with Confined Space Entry in accordance with WHC-CM-4-40, Industrial Hygiene Manual, Section 3.1, Rev.1 (Ref EPTI #3) for inclusion in the turnover package.
		Document compliance with the Asbestos Control Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.3, Rev.0 (Ref EPTI #2) for inclusion in the turnover package.
		Document compliance with the Hazardous Communication Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.1, Rev.0 (Ref EPTI #1) for inclusion in the turnover package.
		Fire protection/detection will be determined in the FHA.

Objective		Criteria			
Facilitate Decommissioning	1	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.			
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).			
		Remove temporary radiological areas.			

Objective		Criteria
Facilitate Decommissioning	1	Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	. A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

Objective		Criteria
Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	**	Remove emergency lantern batteries and fire extinguishers.  Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

Objective		Criteria
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Place postings at entrances to prevent unintentional/unauthorized access.
		Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding spa

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Install viewing window to permit surveillance.

Objective		Criteria			
Facilitate Decommissioning	*	Provide turnover package.			
		Document identified area industrial hazards for inclusion in the turnover package.			
Comply with Regulations & Requirements	A.	Document amount and location of remaining hazardous substances/dangerous waste			
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.			

### CASE 3

**External Spaces, Including Building Exterior Envelopes** 

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

### **B-Plant Functional End Point Matrix**

#### Case 3: External Spaces, Including Building Exterior Envelopes

Objectives	Task Types								
	1 Hazards	2 Radiation Fields	3 Contamination	4 Waste	5 Isolate & Contain	6 Monitor & Control	7 Refurbish or Install	8 Document & Label	
									Protect Public & Environment
Facilitate S&M - Protect Workers - Reduce Cost	*	ak	*	N/A	*	*	aje	*	
Facilitate Decommissioning	. 1	1	1	1	N/A	N/A	N/A	*	
Comply with Regulations & Requirements	A	Α	A	* •	A	N/A	N/A	A♦	

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point. Secondary

Consideration Not likely to control end points, but there may be merit if simple, cost-effective.

As Applicable

Check requirements, act accordingly.

Meet Commitments to

Stakeholders

Undefined

Undefined

Undefined

2007 P. P
207-B Retention Basin
211-B Chemical Tank Farm
211-BA Chemical Sewer Neutralization Building Exterior
211-BB MCC Building Exterior
212-B Facility Exterior
216-B-59 High Risk Cooling Water Retention Basin
216-B-64 Steam Condensate Retention Basin
217-B Demineralizer Building Exterior
221-B Facility Exterior
221-BB Steam Condensate (BCS) Building Exterior
221-BC Change Room Building Exterior
221-BF Process Condensate (BCP) Storage Building Exterior
221-BG Cooling Water Monitor Sample Building Exterior
222-B Office Building Exterior
271-B Support Building Exterior
271-BA Laundry Building Exterior
2715-B Paint Storage Building Exterior
272-BA Spare Parts Shop Exterior
272-BB Insulation Shop Exterior
276-B Organic Makeup/Paint Storage Building Exterior
291-B Stack
291-B Stack/Steam Turbine Building Exterior
291-B Yard
291-BB A & B Filter Instrument Building - Exterior
291-BC C Filter Building Exterior
291-BD C Filter Instrument Building Exterior
291-BF D Filter Instrument Building Exterior
291-BG E Filter Instrument Building Exterior
291-BJ F Filter Building Exterior
291-BK Monitoring Control Building Exterior
292-B Stack Monitoring Building Exterior
Organic Storage Tanks
Railroad Vehicles
Sand Filter
Substation C8-S49 Exterior
Substation C8-S77 Exterior
UPR Site UPR-200-E-1
UPR Site UPR-200-E-103
UPR Site UPR-200-E-112
UPR Site UPR-200-E-140
UPR Site UPR-200-E-140 UPR Site UPR-200-E-2
UPR Site UPR-200-E-140 UPR Site UPR-200-E-2 UPR Site UPR-200-E-3
UPR Site UPR-200-E-2

Rev. 2

## External Spaces, Including Building Exterior Envelopes

PR Site UPR-200-E-41	
PR Site UPR-200-E-44	
UPR Site UPR-200-E-52	
UPR Site UPR-200-E-64	
UPR Site UPR-200-E-69	
UPR Site UPR-200-E-7	
UPR Site UPR-200-E-80	
UPR Site UPR-200-E-85	
UPR Site UPR-200-E-90	
UPR Site UPR-200-E-95	
Yard	

Objective		Criteria
Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.
Facilitate S&M - Protect Workers - Reduce Cost	*	A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years.
		Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.
Facilitate Decommissioning	1	Identify/resolve/define significant technical and safety hazards that may impact decommissioning planning.
Comply with Regulations & Requirements	Α.	Document compliance with Confined Space Entry in accordance with WHC-CM-4-40, Industrial Hygiene Manual, Section 3.1, Rev.1 (Ref EPTI #3) for inclusion in the turnover package.
		Document compliance with the Asbestos Control Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.3, Rev.0 (Ref EPTI #2) for inclusion in the turnover package.
		Document compliance with the Hazardous Communication Program as defined in WHC-CM-4-40, Industrial Hygiene Manual, Section 2.1, Rev.0 (Ref EPTI #1) for inclusion in the turnover package.
		Fire protection/detection will be determined in the FHA.

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	kers - End Points . These were established based on starting/current	
Facilitate Decommissioning	1	Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).
		Remove temporary radiological areas.

Objective		Criteria
Protect Public & Environment	*	Include survey requirements as part of the turnover package to verify containment of radioactive contamination.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels for Case 3 surveillance corridors are provided in the End Points. These were established based on starting/current dose rates and the use of ALARA, ALEA and reasonable best effort.
Facilitate Decommissioning	1	Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).

Objective		Criteria		
Facilitate Decommissioning  ✓ Housekeep and remove unattached material/equipment using the Effort methodology.		Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.		
Comply with Regulations & Requirements	**	Remove emergency lantern batteries and fire extinguishers.		
		Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.		

Objective		Criteria
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.
		Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.
		Post space access points to prevent unintentional/unauthorized access.
Comply with Regulations & Requirements	A	See - Protect Public & Environment.

Task Type (TT-6): Monitor & Control		
Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Isolate/plug drains to localize water intrusion.

Objective	1	Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Install physical barrier to prevent unintentional/unauthorized access.
,		Refurbish facility as required by the structural and roof integrity studies.

Objective		Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the building.		
		Document identified area industrial hazards for inclusion in the turnover package.		
Facilitate Decommissioning	*	Provide turnover package.		
Comply with Regulations & Requirements	.A*	Document amount and location of remaining hazardous substances/dangerous waste		
		Document space and associated system(s) dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.		

### **B** Plant End Points

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

### CASE 4

### **B** Plant End Points

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

Rev. 2

#### **B-Plant Functional End Point Matrix**

**Case 4: System - Operational** 

		Task Types							
Objectives 1	1	2	3 Contamination	4 Waste	5 Isolate & Contain	6 Monitor & Control	7 Refurbish or Install	8 Document & Label	
	Hazards	Radiation Fields							
Protect Public & Environment	*	N/A	N/A	N/A	N/A	*	*	N/A	
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	N/A	*	*	*	*	
Facilitate Decommissioning	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Comply with Regulations & Requirements	N/A	A	A	**	N/A	*	A	A◆	

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point.

Secondary
Consideration
Not likely to control end points, but there may be

merit if simple, cost-effective.

d Chec

As Applicable

Check requirements, act accordingly.

♦ Meet Commitments to

Stakeholders

Undefined

**♦** Undefined

₫ Undefined

### Case 4 System - Operational

HNF-SD-WM-TPP-054

Operational Electrical System	
Operational Remote Monitoring System	
Surveillance Lighting	

Objective Criteria		Criteria
Protect Public & Environment	*	Ensure system is secured in place to prevent damage/failure due to environmental forces.
Facilitate S&M - Protect Workers - Reduce Cost	*	Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.

Objective	4	Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	**	Maximum general dose rate levels are defined in the Space where the system is located.		
		Remove/Shield source material to mitigate radiation exposure using the Reasonabl Best Effort methodology.		
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.		

Objective		Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels are defined in the Space where the system is located.		
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.		
Comply with	A	Radiological conditions are posted in accordance with Hanford Site Radiological		
Regulations & Requirements		Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.		

Task Type (TT-4): Waste				
Objective	1000	Criteria		
Comply with Regulations & Requirements	**	Identify accumulation areas for waste generated by operational systems and include in the turnover package (i.e. general waste awaiting characterization and designation).		

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	神	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space

Objective		Criteria
Protect Public & Environment	*	Define system discharge monitoring/instrumentation requirements.
Facilitate S&M - Protect Workers - Reduce Cost	*	Furnish surveillance lighting and convenience electrical receptacles.
Comply with Regulations & Requirements	*	Define system calibration and preventive maintenance requirements.

Objective		Criteria
Protect Public & Environment	*	Provide ventilation for contamination control.
Facilitate S&M - Protect Workers - Reduce Cost	*	Provide system spare parts inventory listing.
Comply with Regulations & Requirements	A	Newly installed electrical distribution will be in accordance with NEC requirements

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Provide turnover package.
		Label as an operational system.
Comply with Regulations & Requirements	A.	Define instrumentation reading frequency for inclusion in the turnover package.
5. 11		Document amount and location of remaining hazardous substances/dangerous wast

### CASE 5

#### **B** Plant End Points

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

## **B-Plant Functional End Point Matrix**

Rev. 2

Case 5: System - Mothballed

		Task Types								
Objectives	1 Hazards	2 Radiation Fields	3 Contamination	4 Waste	5 Isolate & Contain	6 Monitor & Control	7 Refurbish or Install	8 Document & Label		
Protect Public & Environment	*	N/A	N/A	N/A	*	N/A	N/A	N/A		
Facilitate S&M - Protect Workers - Reduce Cost	N/A	*	*	N/A	N/A	N/A	N/A	N/A		
Facilitate Decommissioning	*	N/A	N/A	N/A	*	N/A	*	*		
Comply with Regulations & Requirements	N/A	A	A	**	N/A	N/A	N/A	A♦		

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point.

Secondary Consideration Not likely to control end points, but there may be merit if simple, cost-effective.

As Applicable

Check requirements, act accordingly.

Meet Commitments to Stakeholders

Undefined

Undefined

Undefined

Case 5
System - Mothballed

HNF-SD-WM-TPP-054

212-B Crane	
221-B Canyon Crane	
271-B Elevator	

Objective		Criteria		
Protect Public & Environment		Ensure system is secured in place to prevent damage/failure due to environmental forces.		
Facilitate Decommissioning	*	Electrically de-energize equipment and deactivate instrumentation unless otherwise stated.		
		Drain liquids not required for preservation from accessible equipment.		

Objective		Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	aļk	Maximum general dose rate levels are defined in the Space where the system is located.		
		Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.		
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.		

Objective		Criteria		
Facilitate S&M - Protect Workers - Reduce Cost	aje	Maximum removable contamination levels are defined in the Space where the system is located.		
		Remove/fix source material to mitigate contamination migration using the Reasonabl Best Effort methodology.		
Comply with Regulations &	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where		
Requirements		systems reside.		

Objective		Criteria
Comply with Regulations & Requirements	**	Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.

Task Type (TT-5): Isolate & Contain			
Objective		Criteria	
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.	
Facilitate Decommissioning	эk	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space	

Task Type (TT-7): Refurbish or Install				
Objective		Criteria		
Facilitate Decommissioning	*	Provide protective measures to inhibit further equipment degradation permitting refurbishment for D&D.		

Objective		Criteria
Facilitate Decommissioning	ale.	Document system lay-up.
		Include system restart and preventive maintenance procedures as part of the turnove package.
		Label mothballed equipment.
		Provide turnover package.
Comply with Regulations & Requirements	A.	Document amount and location of remaining hazardous substances/dangerous waste

#### **B** Plant End Points

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

#### CASE 6

**System - Abandoned In Place** 

### B Plant End Points

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# **B-Plant Functional End Point Matrix**

Rev. 2 Case 6: System - Abandoned in Place

	Task Types							
Objectives	1 Hazards	2 Radiation Fields	3 Contamination	4 Waste	5 Isolate & Contain	6 Monitor & Control	7 Refurbish or Install	8 Document & Label
Facilitate S&M - Protect Workers - Reduce Cost	*	*	*	N/A	*	N/A	N/A	*
Facilitate Decommissioning	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*
Comply with Regulations & Requirements	N/A	A	A	**	N/A	N/A	N/A	A◆

N/A Not Applicable

Primary Consideration

Likely to be a controlling factor in setting end point.

Secondary Consideration Not likely to control end points, but there may be

merit if simple, cost-effective.

As Applicable

Check requirements, act accordingly.

Meet Commitments to Stakeholders

Undefined

Undefined

Undefined

# Case 6

# System - Abandoned in Place

Rev. 2

207-B Retention Basin System	
207-BA CBC Sampling Building System	
211-B Chemical Tank Farm System	
211-B Vessels	
211-BA Chemical Sewer Neutralization Building System	,
211-BA Vessels	
212-B Hot Cell System	
212-B HVAC System	
212-B Vessels	
216-B-59 High Risk Cooling Water Retention Basin System	
216-B-64 Steam Condensate Retention Basin System	
217-B Demineralizer Building System	
217-B Vessels	
221-B Cell 10 Vessels	
221-B Cell 11 Vessels	
221-B Cell 12 Vessels	
221-B Cell 13 Vessels	
221-B Cell 14 Vessels	•
221-B Cell 17 Vessels	
221-B Cell 18 Vessels	
221-B Cell 19 Vessels	
221-B Cell 20 Vessels	
221-B Cell 21 Vessels	
221-B Cell 22 Vessels	
221-B Cell 23 Vessels	
221-B Cell 24 Vessels	
221-B Cell 25 Vessels	
221-B Cell 26 Vessels	
221-B Cell 27 Vessels	
221-B Cell 28 Vessels	
221-B Cell 29 Vessels	*
221-B Cell 30 Vessels	
221-B Cell 31 Vessels	
221-B Cell 32 Vessels	
221-B Cell 33 Vessels	
221-B Cell 34 Vessels	
221-B Cell 35 Vessels	
221-B Cell 36 Vessels	
221-B Cell 37 Vessels	
221-B Cell 37 Vessels 221-B Cell 38 Vessels	
221-B Cell 38 Vessels 221-B Cell 39 Vessels	
221-B Cell 5 Vessels	
ZZI-D CCII J Y CSSCIS	

## Case 6

# System - Abandoned in Place

Rev. 2

1-B Cell 7 Vessels
Lagarante Lagara
221-B Cell 9 Vessels
221-B Electrical Gallery System
221-B Electrical Gallery Vessels
221-B Operating Gallery List A Vessels
221-B Operating Gallery List B Vessels
221-B Operating Gallery Systems
221-B Pipe Gallery System
221-B Pipe Gallery Vessels
221-B Stairwells System
221-BA Cooling Water Monitor Sample Building System
221-BB Steam Condensate (BCS) Building System
221-BB Vessels
221-BC Change Room Building System
221-BF Process Condensate (BCP) Storage Building System
221-BF Vessels
221-BG Cooling Water Monitor Sample Building System
221B-FP-F-22-9 A/Vessel Vent Filter Pits Vessels
221B-FP-F-22-9 B/Vessel Vent Filter Pits Vessels
1B-FP-F-22-9 C/Vessel Vent Filter Pits Vessels
222-B Office Building System
271-B Basement System
271-B First Floor Vessels
271-B Second Floor System
271-B Third Floor Vessels
276-B Organic Makeup/Paint Storage Building System
276-B Vessels
291-B Exhaust Fans
291-B Stack/Steam Turbine Building System
291-BB A & B Filter Instrument Building - System
291-BD C Filter Instrument Building System
291-BF D Filter Instrument Building System
291-BG E Filter Instrument Building System
291-BJ F Filter Building System
292-B Stack Monitoring Building System
Deactivated Electrical System
Fire Protection B26
Miscellaneous Streams
ocess and Instrument Air System
Raw Water B20
Sanitary Water B21
Steam B22

Case 6
System - Abandoned in Place

Rev. 2

Underground Storage Transfer Lines (Tank Farms)	
Vessel Vent System in 221B-FP-F-22-9A&B	
Water Tank for Filter Seals	
WESF Isolation	
Yard Vessels	

Objective		Criteria	
Protect Public & Environment	*	Ensure system is secured in place to prevent damage/failure due to environmental forces.	
Facilitate S&M - Protect Workers - Reduce Cost	*	Drain liquids and remove unattached equipment using Good Management Practices	
		Leave remaining dangerous materials in a state and/or location where they pose no threat to the environment or human health.	
		Resolve serious threats now.	
		Electrically de-energize equipment and deactivate instrumentation.	

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum general dose rate levels are defined in the Space where the system is located.
		Remove/Shield source material to mitigate radiation exposure using the Reasonable Best Effort methodology.
Comply with Regulations & Requirements	A	Radiological conditions are posted in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

Rev. 2

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Maximum removable contamination levels are defined in the Space where the system is located.
		Remove/fix source material to mitigate contamination migration using the Reasonable Best Effort methodology.
Comply with	A	Radiological conditions are posted in accordance with Hanford Site Radiological
Regulations & Requirements		Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4) in Spaces where systems reside.

Rev. 2

Objective Criteria			
Comply with Regulations & Requirements	**	Remove/dispose of radioactive, dangerous, and mixed wastes in accordance with approved waste handling procedures.	
		A table listing each tank with any flush and sampling requirements is attached.  Specific tank listings are in Level III specific system requirements.	

#### Rev. 2

Objective		Criteria
Protect Public & Environment	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the environment.
Facilitate S&M - Protect Workers - Reduce Cost	*	Ensure engineered barriers/seals are in place for vermin control and to prevent migration of both hazardous and radioactive contamination to the surrounding space

Objective		Criteria
Facilitate S&M - Protect Workers - Reduce Cost	*	Label Abandoned in Place system.
Facilitate Decommissioning	*	Provide turnover package.
Comply with Regulations & Requirements	A◆	Document amount and location of remaining hazardous substances/dangerous waste

HNF-SD-WM-TPP-054 Rev. 2

**End Points (Level III)** 

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# 211-B Area

211-B Chemical Tank Farm (3)	. 97
211-B Chemical Tank Farm System (6)	101
211-B Vessels (6)	104
211-BA Chemical Sewer Neutralization Building (2)	
211-BA Chemical Sewer Neutralization Building Exterior (3)	
21.1-BA Chemical Sewer Neutralization Building System (6)	113
211-BA Vessels (6)	118
211-BB MCC Building (2)	119
211-BB MCC Building Exterior (3)	120
217-B Demineralizer Building (2)	125
217-B Demineralizer Building Exterior (3)	129
217-B Demineralizer Building System (6)	134
217-B Vessels (6)	
276-B Organic Makeup/Paint Storage Building (2)	139
276-B Organic Makeup/Paint Storage Building Exterior (3)	143
276-B Organic Makeup/Paint Storage Building System (6)	148
276-B Vessels (6)	151

	AREA A	CCEPTANCE	
ВНІ	DATE	BWHC	DATE
ВНІ	DATE	-	

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

#### 211-B Chemical Tank Farm

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
01.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	11/4/96
				End Poin	t Revision number:
					0
01.01.02	Facilitate S&M - Protect	*	Ensure trench grating covers are intact and in place.	BWHC:	Signed
	Workers - Reduce Cost		BHI:	Signed	
		Ref:	Date:	11/6/96	
			End Point	t Revision number:	
					0
1.01.03	Comply with Regulations &	A	Review remaining hazards and update the hazard communication program.	BWHC:	Signed
	Requirements	irements		ВНІ:	Signed
			Ref:	Date:	12/10/96
				End Poin	Revision number:
01.01.04 Comply with Regulations & Requirements	A	Conduct confined space assessment and resolve any identified issues.	BWHC:	Signed	
	_			BHI:	Signed
			Ref:	Date:	10/28/96
				End Poin	t Revision number:

#### 211-B Chemical Tank Farm

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.01.05	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	12/23/96
				End Point	Revision number:
				1	0
O1.01.06 Comply with Regulations & Requirements	1 2	* •	* Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures.  **Ref:	BWHC:	Signed
				BHI:	Signed
				Date:	11/18/96
				End Point	Revision number:
					0

#### 211-B Chemical Tank Farm

Vumber	Objective		End Point		EP Closure
01.01.07	Protect Public & Environment	*	Remove/fix residual chemical contamination to mitigate migration.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	12/23/96
				End Poin	t Revision number:
					0
01.01.08	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin	BWHC:	Signed
	·	intrusion.	intrusion.	BHI:	Signed
		Ref:	Date:	10/28/96	
				End Poin	t Revision number:
1.01.09	Protect Public & Environment	*	Isolate/plug drains to chemical sewer.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	12/23/96
			End Poin	t Revision number:	
O1.01.10 Facilitate S&M - Protect Workers - Reduce Cost	to provent unintentional/unauthorized	BWHC:	Signed		
		access.	BHI:	Signed	
			Ref:	Date:	12/23/96
				End Poin	t Revision number:
					0

#### 211-B Chemical Tank Farm

Number	Objective		End Point	EP Closure	
	Facilitate S&M - Protect	*	Verify area identifications are clearly posted on the exterior of the building.	BWHC: Signed	
	Workers - Reduce Cost			BHI: Signed	
			Ref:	Date: 12/23/96	
				End Point Revision number:	
01.01.12	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	BWHC: Signed	
	Workers - Reduce Cost	rkers - package.	BHI: Signed		
			Ref:	Date: 12/10/96	
				End Point Revision number:	
01.01.13	Facilitate Decommissioning	Decommissioning work plans/	Lucula alama/analunana Otaushusal Otudian	BWHC: Signed	
				BHI: Signed	
			Ref:	Date: 12/23/96	
	La, ea		End Point Revision number:		
01.01.14 Comply with Regulations & Requirements		A	Document amount and location of remaining hazardous	BWHC: Signed	
	Requirements	•	substances/dangerous wastes.	BHI: Signed	
			Ref:	Date: 12/10/96	
	8				End Point Revision number:

## 211-B Chemical Tank Farm System

	Task Type: (TT-1) Hazards							
Number	Objective		End Point	3	EP Closure			
01.02.01	Facilitate S&M - Protect	*	Drain liquids and remove unattached equipment using Good Management	BWHC:	Signed			
	Workers - Reduce Cost		Practices.	ВНІ:	Signed			
		Ref:	. Date:	12/23/96				
				End Poin	t Revision number:			
01.02.02 Facilitate S&M - Protect Workers - Reduce Cost		*	Deactivate pressure vessels identified in attachment C per EPTI #6.	BWHC:	Signed			
		1	BHI:	Signed				
			Ref:	Date:	11/4/96			
				End Poin	t Revision number:			

#### 211-B Chemical Tank Farm System

Number	Objective		End Point		EP Closure
01.02.03	Protect Public & Environment	*	Install intrusion barriers on tank vent lines.	BWHC:	Signed
	Ziivii oimion			BHI:	Signed
			Ref:	Date:	10/28/96
				End Point	Revision number:
					0
01.02.04	Facilitate S&M - Protect	*	Drain/isolate chemical headers.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
		Ref:	Date:	12/23/96	
			End Point	Revision number:	
01.02.05		Protect Workers - Reduce Cost	* Ensure lines to/from two truck loadouts and rail tanker loadout are isolated.	BWHC:	Signed
	Workers -			BHI:	Signed
			Ref:	Date:	10/28/96
			End Point	Revision number:	
01.02.06 Facilitate S&M - Protect Workers - Reduce Cost	Remove/isolate drum flex lines.	BWHC:	Signed		
	Workers -	Workers -	·	BHI:	Signed
	-		Ref:	Date:	10/28/96
				End Point	Revision number:

## 211-B Chemical Tank Farm System

	Task Type	2: (	TT-8) Document & Label		
Number	Objective		End Point		EP Closure
01.02.07	Facilitate S&M - Protect	*	Label Abandoned in Place system.	ВWНС:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	12/23/96
				End Point	Revision number:
01.02.08 Facilitate Decommissioning		*	Turnover package items: Deactivation work plans/packages.	BWHC:	Signed
			Ref:	BHI:	Signed
				Date:	12/23/96
			End Point	Revision number:	
1.02.09	9 Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:	Signed
Requirements	•	substances/dangerous wastes.	BHI:	Signed	
		Ref:	Ref:	Date:	12/10/96
				End Point	Revision number:

#### 211-B Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.03.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	12/23/96
				End Point Revision number:	
					0
Regulations	Comply with Regulations &	* •	* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:	Signed
	Requirements			BHI:	Signed
				Date:	12/23/96
	-			End Poin	t Revision number:

# 211-BA Chemical Sewer Neutralization Building

Task Type: (TT-1) Hazards							
Vumber	Objective		End Point	EP Closure			
01.04.01	Protect Public & Environment	*	END POINT DELETED	BWHC: N/A			
				BHI: N/A			
			Ref:	Date:			
				End Point Revision number:			
01.04.02 Comply with Regulations & Requirements	A	BWHC: N/A					
			BHI: N/A				
	'		Ref:	Date:			
1.04.03		Comply with Regulations & A END POINT DELETED	BWHC: N/A				
Requirements			BHI: N/A				
		Ref:	Date:				
			End Point Revision number:				

#### 211-BA Chemical Sewer Neutralization Building

Marshan	Ohizatina		End Point	EP Closure
Number	Objective			
01.04.04	Facilitate Decommissioning	1	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref:	Date:
				End Point Revision number:
01.04.05	Comply with Regulations &	* •	END POINT DELETED	BWHC: N/A
	Requirements			BHI: N/A
		Ref:	Date:	
		10).	End Point Revision number:	
01.04.06 Comply with	Comply with Regulations &	T. T.	* ♦ END POINT DELETED	BWHC: N/A
	Requirements			BHI: N/A
		. 4	Ref:	Date:
				End Point Revision number:
01.04.07 Comply with Regulations & Requirements	* •	END POINT DELETED	BWHC: N/A	
				BHI: N/A
			Ref:	Date:
			rtej.	End Point Revision number:

## 211-BA Chemical Sewer Neutralization Building

Task Type: (TT-5) Isolate & Contain						
Number	Objective		End Point		EP Closure	
	Facilitate S&M - Protect Workers -	*	END POINT DELETED	BWHC: BHI:	Signed Signed	
	Reduce Cost		Ref:	Date:		
				End Poir	nt Revision number: 2	

## 211-BA Chemical Sewer Neutralization Building

	Task Type: (TT-8) Document & Label												
Number	Objective		End Point	EP Closure									
01.04.09	Facilitate Decommissioning	*	END POINT DELETED	BWHC: N/A									
				BHI: N/A									
			Ref:	Date:									
				End Point Revision number:									
01.04.10 Facilitate Decommissioning	*	* END POINT DELETED	BWHC: N/A										
			BHI: N/A										
		Ref:	Date:										
				End Point Revision number:									
01.04.11	1 Comply with A END POINT D	END POINT DELETED	BWHC: N/A										
Requirements	•	•	•	•	•	*	•	*	*	•	•		BHI: N/A
		Ref:	Date:										
			End Point Revision number:										

#### 211-BA Chemical Sewer Neutralization Building Exterior

	Task Type	. (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
01.05.01	Protect Public & Environment	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref:	Date:
				End Point Revision number:
01.05.02	Comply with Regulations &	A	END POINT DELETED	BWHC: N/A
	Requirements			BHI: N/A
			Ref:	Date:
				End Point Revision number:

## 211-BA Chemical Sewer Neutralization Building Exterior

Task Type: (TT-4) Waste						
Number	Objective		End Point	EP Closure		
01.05.03	Facilitate Decommissioning	V	END POINT DELETED	BWHC: N/A		
				BHI: N/A		
			Ref:	Date:		
				End Point Revision number:		

#### 211-BA Chemical Sewer Neutralization Building Exterior

	Task Type	e: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
01.05.04	Protect Public & Environment	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref:	Date:
				End Point Revision number:
01.05.05	Facilitate S&M - Protect	*	END POINT DELETED	BWHC: N/A
	Workers - Reduce Cost			BHI: N/A
			Ref:	Date:
				End Point Revision number:

## 211-BA Chemical Sewer Neutralization Building Exterior

	Task Type	. 1	TT-8) Document & La	Dei
Number	Objective		End Point	EP Closure
01.05.06	Facilitate S&M - Protect	*	END POINT DELETED	BWHC: N/A
	Workers - Reduce Cost			BHI: N/A
			Ref:	Date:
١.				End Point Revision number:
				2
01.05.07	Protect	*	END POINT DELETED	BWHC: Signed
	Workers - Reduce Cost			BHI: Signed
			Ref:	Date:
				End Point Revision number:
01.05.08	Facilitate Decommissioning	*	END POINT DELETED	BWHC: N/A
				BHI: N/A
			Ref:	Date:
				End Point Revision number:
01.05.09	Comply with Regulations &	A	END POINT DELETED	BWHC: N/A
	Requirements	Requirements		BHI: N/A
			Ref:	Date:
				End Point Revision number:
			-	2

# 211-BA Chemical Sewer Neutralization Building System

Task Type: (TT-1) Hazards					
Number	Objective	End Point	EP Closure		
01.06.01	Facilitate S&M - Protect	* END POINT DELETED	BWHC: N/A		
	Workers - Reduce Cost		BHI: N/A		
	1100000	Ref:	Date:		
			End Point Revision number:		

# 211-BA Chemical Sewer Neutralization Building System

Number	Objective		End Point		EP Closure
01.06.02	Protect Public & Environment	*	Cap/plug/blank/isolate sample lines.	ВWНС:	Signed
				BHI:	Signed
			Ref:	Date:	11/12/97
				End Poin	t Revision number:
				Lange of	0
01.06.03 Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 221-B.	BWHC:	Signed	
				BHI:	Signed
			Ref:	Date:	11/14/97
	. (			End Poin	t Revision number:
					0
01.06.04	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 271-B.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	11/14/97
				End Poin	t Revision number:
01.06.05	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 222-B.	ВWНС:	Signed
			·	ВНІ:	Signed
			Ref:	Date:	11/7/97
			107.	End Poin	t Revision number:

# 211-BA Chemical Sewer Neutralization Building System

Number	Objective		End Point		EP Closure
01.06.06		*	Cap/plug/blank/isolate BCE source line(s) from 292-B.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	11/7/97
				End Poin	t Revision number:
01.06.07	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 211-BA (neutralizer system).	ВWНС:	Signed
				BHI:	Signed
			Ref:	Date:	11/12/97
				End Poin	t Revision number:
01.06.08	Protect Public & Environment	*	Isolate/seal old BCE line inlets down stream of 211-BA.	ВWНС:	Signed
				BHI:	Signed
			Ref:	Date:	7/16/96
				End Poin	t Revision number:
01.06.09	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 211-B.	ВWНС:	Signed
				BHI:	Signed
			Ref:	Date:	10/27/97
				End Point	t Revision number:
					0

## 211-BA Chemical Sewer Neutralization Building System

	Task Type: (TT-5) Isolate & Contain						
Number	Objective		End Point		EP Closure		
01.06.10	Protect Public & Environment	*	Cap/plug/blank/isolate BCE source line(s) from 2902-B (high tank).	BWHC:	Signed		
				BHI:	Signed		
			Ref:	Date:	11/12/97		
				End Poin	t Revision number:		
01.06.14	Protect Public & Environment	*	Isolate 211-BA sump and floor drain.	BWHC:			
	Ziivii Oiliioii			BHI:			
	72-1		Ref:	Date:	11/14/97		
				End Poin	t Revision number:		

## 211-BA Chemical Sewer Neutralization Building System

	Task Type	. {	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
01.06.11	Facilitate S&M - Protect	*	END POINT DELETED	BWHC: N/A
	Workers - Reduce Cost			BHI: N/A
			Ref:	Date:
				End Point Revision number: 2
01.06.12	Facilitate Decommissioning	*	* Turnover package items: Deactivation work plans/packages.  Ref:	BWHC: Signed
				BHI: Signed
				Date: 11/14/97
				End Point Revision number:
)1.06.13	Comply with Regulations &	A	END POINT DELETED	BWHC: N/A
	Requirements	•	Ref:	BHI: N/A
				Date:
				End Point Revision number:

#### 211-BA Vessels

	Task Type: (TT-4) Waste					
Number	Objective		End Point		EP Closure	
01.07.01	Comply with Regulations & Requirements	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	Signed	
			existing equipment configuration.	BHI:	Signed	
		Res	Ref:	Date:	11/14/97	
				End Poin	t Revision number:	
					.0	
01.07.02	Comply with Regulations & Requirements	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed	
					BHI:	Signed
		l l	Ref:	Date:	11/14/97	
				End Point	t Revision number:	

# 211-BB MCC Building

	Task Type	z: (	TT-8) Document & Label				
Number	Objective		End Point		EP Closure		
01.08.01	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	ВWНС:	Signed		
			of Case 2 spaces.	BHI:	Signed		
			Ref:	Date:	12/10/96		
				End Point	Revision number:		
01.08.02	Facilitate Decommissioning			- ···	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	Signed
		Ref:	package.	BHI:	Signed		
			Ref:	Date:	12/10/96		
				End Point	Revision number:		
1.08.03	Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:	Signed		
	Requirements	I A ICHNOTANCACIONACIONE WASTAS	BHI:	Signed			
			Date:	12/10/96			
					End Point	Revision number:	

# 211-BB MCC Building Exterior

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
01.09.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	11/4/96
				End Poin	t Revision number:
01.09.02	Facilitate S&M - Protect	*	A limited structural analysis will be conducted to verify structural integrity for	BWHC:	Signed
	Workers - Reduce Cost		a minimum of five (5) years.	BHI:	Signed
			Ref:	Date:	12/10/96
				End Poin	t Revision number:

### 211-BB MCC Building Exterior

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.09.03	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	11/4/96
				End Poin	t Revision number:
					0
01.09.04	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed
	Requirements	laccordance with approved waste handling		BHI:	Signed
			Ref:	Date:	11/4/96
				End Poin	t Revision number:
					0

### 211-BB MCC Building Exterior

	Task Type	e: (	TT-5) Isolate & Contain		
Number	Objective		End Point		EP Closure
01.09.05	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin	BWHC:	Signed
			intrusion.	BHI:	Signed
			Ref:	Date:	11/4/96
•				End Point I	Revision number:
					0
01.09.06	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and	BWHC:	Signed
		maintenance activities.  Ref:	BHI:	Signed	
			Ref:	Date:	11/4/96
				End Point I	Revision number:
					0
01.09.07	Facilitate S&M - Protect	· ·	in lankage for a minimum of five (F) week	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	12/10/96
				End Point I	Revision number:
01.09.08	Facilitate S&M - Protect	Protect Workers - to prevent unintentional/unauthorized access.	BWHC:	Signed	
	Workers - Reduce Cost		access.	BHI:	Signed
			Date:	12/10/96	
				End Point H	Revision number:
					0

# 211-BB MCC Building Exterior

Task Type: (TT-7) Refurbish or Install						
Number	Objective		End Point		EP Closure	
01.09.09	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	ВWНС:	Signed	
	Workers - Reduce Cost			BHI:	Signed	
			Ref:	Date:	12/10/96	
				End Point	t Revision number:	

# 211-BB MCC Building Exterior

	Task Type	. (	<u> </u>		
Number	Objective		End Point		EP Closure
01.09.10	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed
	Workers - Reduce Cost		package.	ВНІ:	Signed
	-		Ref:	Date:	12/10/96
				End Poin	t Revision number:
					0
01.09.11	Facilitate S&M - Protect	*	Verify ancillary building identifications are clearly posted on the exterior of the	BWHC:	Signed
	Workers - Reduce Cost		building.	BHI:	Signed
		Ref:	Ref:	Date:	11/4/96
				End Poin	t Revision number:
01.09.12	Facilitate Decommissioning	The standard of the selection	Turnover package items: Deactivation work plans/packages.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	12/10/96
				End Point	t Revision number:
01.09.13	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC:	Signed
	Requirements		substances/dangerous wastes.	BHI:	Signed
		Ref:	Date:	12/10/96	
				End Point	t Revision number:

# 217-B Demineralizer Building

N7L	Task Type		TT-1) Hazards  End Point		ED Closure
Number	Objective				EP Closure
01.10.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	10/10/97
				End Poin	t Revision number:
					0
01.10.02	Comply with Regulations &	A	Review remaining hazards and update the hazard communication program.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	12/1/97
				End Poin	t Revision number:
)1.10.03	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC:	Signed
	Requirements		exposure.	BHI:	Signed
			Ref:	Date:	12/1/97
				End Poin	t Revision number:
01.10.12	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	ВWНС:	Signed
	Requirements	-		BHI:	Signed
			Ref:	Date:	12/1/97
				End Poin	t Revision number:

# 217-B Demineralizer Building

	Task Type	e: (	TT-4) Waste			
Number	Objective		End Point		EP Closure	
01.10.04	Facilitate Decommissioning	V	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	Signed	
			Best Effort methodology.	BHI:	Signed	
			Ref:	Date:	10/10/97	
,				End Point	Revision number:	
01.10.05	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:	Signed	
	Requirements			BHI:	Signed	
			Ref:	Date:	10/10/97	
				End Point	Revision number:	

# 217-B Demineralizer Building

	Task Type	e: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
01.10.06	Facilitate S&M - Protect	*	Secure/lock doorways and other access points.	BWHC: Signed
	Workers - Reduce Cost			BHI: Signed
			Ref:	Date: 12/1/97
				End Point Revision number:
	Facilitate S&M - Protect	*	Remove/fix residual chemical contamination to mitigate migration.	BWHC: Signed
	Workers - Reduce Cost			BHI: Signed
			Ref:	Date: 12/1/97
	4			End Point Revision number:
)1.10.08	Facilitate S&M - Protect	*	Isolate/plug floor drains.	BWHC: Signed
Workers - Reduce Cost			BHI: Signed	
			Ref:	Date: 10/27/97
				End Point Revision number:

# 217-B Demineralizer Building

	Task Type	_		T	
Number	Objective		End Point		EP Closure
01.10.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed
			of Case 2 spaces.	BHI:	Signed
			Ref:	Date:	12/2/97
				End Point Re	evision number:
01.10.10	Facilitate Decommissioning	The mande for inclusion in the A	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed
			раскаде.	BHI:	Signed
			Ref:	Date:	12/1/97
				End Point Re	evision number:
01.10.11	Comply with Regulations &	Regulations & remaining hazardous		BWHC: S	Signed
	Requirements		♦ Isubstances/dangerous wastes.	BHI:	Signed
			Ref:	Date: 1	12/1/97
				End Point Re	evision number:

### 217-B Demineralizer Building Exterior

Vumber	Objective	77	End Point	7.0	EP Closure
01.11.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	10/10/97
				End Poin	t Revision number:
		·			0
01.11.02	Facilitate S&M - Protect	*	A limited structural analysis will be conducted to verify structural integrity for	ВWНС:	Signed
	Workers - Reduce Cost		a minimum of five (5) years.	BHI:	Signed
	Ref:	Ref:	Date:	6/16/97	
				End Poin	t Revision number.
)1.11.03	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	ВWНС:	Signed
	Requirements		exposure.	BHI:	Signed
			Ref:	Date:	12/1/97
				End Poin	t Revision number:
01.11.04	Comply with Regulations &	A	Review remaining hazards and update the hazard communication program.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	12/1/97
	-			End Poin	t Revision number:

# 217-B Demineralizer Building Exterior

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.11.05	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	10/10/97
				End Poin	t Revision number:
01.11.06	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed
	Requirements	- laccordance with approved waste handling		BHI:	Signed
	÷		Ref:	Date:	12/3/97
				End Poin	t Revision number:

# 217-B Demineralizer Building Exterior

Number	Objective		End Point		EP Closure
01.11.07	Protect Public & Environment	*	Isolate/screen/seal building penetrations.	ВWНС:	Signed
				ВНІ:	Signed
			Ref:	Date:	10/27/97
				End Poin	t Revision number:
					0
01.11.08	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin	BWHC:	Signed
			intrusion.	BHI:	Signed
			Ref:	Date:	10/27/97
				End Poin	t Revision number:
)1.11.09	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers - in-leakage for a minimum of five (5) years.	BWHC:	Signed	
				BHI:	Signed
			Ref:	Date:	6/12/97
				End Poin	t Revision number:
01.11.10	Facilitate S&M - Protect	Protect Workers - Reduce Cost to prevent unintentional/unauthorized access.	BWHC:	Signed	
			access.	BHI:	Signed
			Ref:	Date:	10/27/97
				End Point	Revision number:
					0

# 217-B Demineralizer Building Exterior

Task Type: (TT-7) Refurbish or Install							
Number	Objective		End Point		EP Closure		
01.11.11	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	BWHC:	Signed		
	Workers - Reduce Cost			BHI:	Signed		
			Ref:	Date:	12/3/97		
				End Poin	Revision number:		

### 217-B Demineralizer Building Exterior

Number	Objective		End Point		EP Closure
01.11.12	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	Signed
	Workers - Reduce Cost		package.	BHI:	Signed
			Ref:	Date:	12/1/97
				End Poin	t Revision number:
					0
01.11.13	Facilitate S&M - Protect	*	Verify ancillary building identifications are clearly posted on the exterior of the	BWHC:	Signed
	Workers - Reduce Cost		building.	BHI:	Signed
			Ref:	Date:	6/3/97
				End Poin	t Revision number:
					0
)1.11.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:	Signed
				ВНІ:	Signed
			Ref:	Date:	12/2/97
				End Poin	t Revision number:
01.11.15	Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:	Signed
	Requirements	•	substances/dangerous wastes.	BHI:	Signed
			Ref:	Date:	12/1/97
		,		End Poin	t Revision number:
				2011	0

# 217-B Demineralizer Building System

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
01.12.01	Facilitate S&M - Protect	*	Drain piping/headers to minimize the residual material using existing equipment	BWHC:	Signed
Workers -	Workers - Reduce Cost		configuration.	BHI:	Signed
		Ref:	Ref:	Date:	12/2/97
				End Point R	Revision number:
					0
01.12.02	Facilitate S&M - Protect	Protect Workers -	Deactivate pressure vessels identified in attachment C per EPTI #6.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	12/2/97
				End Point R	Revision number:
					0

# 217-B Demineralizer Building System

Task Type: (TT-4) Waste						
Number	Objective	End Po				
01.12.03	Comply with Regulations &	* Drain manometer fluid.	BWHC: Signed			
	Requirements		BHI: Signed			
		Ref:	Date: 10/27/97			
			End Point Revision number:			

# 217-B Demineralizer Building System

	Task Type: (TT-5) Isolate & Contain							
Number	Objective		End Point	120	EP Closure			
01.12.04	Protect Public & Environment	*	Install intrusion barriers on tank vent lines.	ВWНС:	Signed			
				BHI:	Signed			
			Ref:	Date:	12/1/97			
				End Point	t Revision number:			
					0			

# 217-B Demineralizer Building System

Number	Objective		End Point		EP Closure	
01.12.05	Facilitate S&M - Protect	*	Label Abandoned in Place system.	BWHC:	Signed	
	Workers - Reduce Cost			BHI:	Signed	
			Ref:	Date:	10/20/97	
				End Point	Revision number:	
01.12.06 D	Decommissioning		*.	Turnover package items: Deactivation work plans/packages.	ВWНС:	Signed
			Ref:	BHI:	Signed	
				Date:	12/2/97	
				End Point	Revision number:	
)1.12.07	Comply with Regulations & Requirements	A	Document amount and location of remaining hazardous	BWHC:	Signed	
		•	♦ substances/dangerous wastes. Ref:	BHI:	Signed	
				Date:	.12/1/97	
				End Point	Revision number:	

#### 217-B Vessels

	Task Typ	ne: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.13.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	12/2/97
				End Poin	t Revision number:
					0
01.13.02	Comply with Regulations &	Comply with Regulations & ★	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
,	Requirements			BHI:	Signed
			Ref:	Date:	12/2/97
				End Point	t Revision number:
					U

# 276-B Organic Makeup/Paint Storage Building

Number	Objective		End Point		EP Closure
01.14.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	9/25/96
				End Poin	Revision number:
					0
01.14.02	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC:	Signed
	Requirements		exposure.	BHI:	Signed
			Ref:	Date:	9/25/96
				End Poin	Revision number:
			·		0
)1.14.03	Comply with Regulations & Requirements	A	Review remaining hazards and update the hazard communication program.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	10/28/96
				End Poin	Revision number:
01.14.12	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	12/16/96
				End Poin	t Revision number:

# 276-B Organic Makeup/Paint Storage Building

	Task Type				ED CI
Number	Objective		End Point		EP Closure
01.14.04	Facilitate Decommissioning	ecommissioning	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	10/14/96
				End Poin	t Revision number.
01.14.05	Comply with Regulations & Requirements	egulations & dangerous, and mix	Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed
			accordance with approved waste handling procedures.  Ref:	BHI:	Signed
				Date:	10/14/96
				End Poin	t Revision number. O
01.14.06	Comply with Regulations &	The section of the se	Remove emergency lantern batteries and fire extinguishers.	BWHC:	Signed
	Requirements		Ref:	BHI:	Signed
		Ref:		Date:	9/25/96
			End Poin	t Revision number:	

# 276-B Organic Makeup/Paint Storage Building

		. 1	TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
01.14.07	Protect Public & Environment	*	Isolate swamp cooler inlets.	BWHC:	Signed
				ВНІ:	Signed
			Ref:	Date:	10/7/96
				End Point	t Revision number
	Protect Public & Environment	*	Seal doors and isolate potential pathways to the environment.	ВWНС:	Signed
			Ref:	BHI:	Signed
				Date:	10/28/96
				End Point	t Revision number
1.14.13	Protect Public & Environment	T	Isolate sump and floor drain.	BWHC:	Signed
				BHI:	Signed
		Ref:	Ref:	Date:	12/16/96
	·			End Point	Revision number:

# 276-B Organic Makeup/Paint Storage Building

	Task Type	- (	TT-8) Document & Label		
Number	Objective		End Point		EP Closure
01.14.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed
			of Case 2 spaces.	BHI:	Signed
			Ref:	Date:	11/6/96
				End Point	Revision number:
01.14.10	Facilitate Decommissioning	commissioning hazards for inclusion in the turnover	ВWНС:	Signed	
			package.	BHI:	Signed
			Ref:	Date:	11/6/96
				End Point	Revision number:
01.14.11	Comply with Regulations & Requirements	Regulations & remaining h	Document amount and location of remaining hazardous	ВWНС:	Signed
			♦ substances/dangerous wastes. Ref:	BHI:	Signed
				Date:	11/6/96
				End Point	Revision number:

### 276-B Organic Makeup/Paint Storage Building Exterior

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
01.15.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
			. 1	BHI:	Signed
		Ref:	Date:	9/25/96	
				End Poin	t Revision number:
					0
01.15.02	Facilitate S&M - Protect Workers - Reduce Cost	*	* A limited structural analysis will be conducted to verify structural integrity for a minimum of five (5) years.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	9/25/96
				End Poin	t Revision number:
					0

# 276-B Organic Makeup/Paint Storage Building Exterior

Task Type: (TT-4) Waste					
Number	Objective		End Point		EP Closure
01.15.03 De	Facilitate Decommissioning	Y longtonial/aguinement union the Descendi	BWHC:	Signed	
			Best Effort methodology.	BHI:	Signed
			Date:	10/28/96	
				End Point	t Revision number:
		-			0

# 276-B Organic Makeup/Paint Storage Building Exterior

	Task Type	e: (	TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
01.15.04	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin	BWHC:	Signed
			intrusion.	BHI:	Signed
			Ref:	Date:	9/25/96
				End Poin	t Revision number:
01.15.05	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers -	* Place postings at entrances and lock doors to prevent unintentional/unauthorized access.  Ref:	BWHC:	Signed
				BHI:	Signed
				Date:	9/25/96
				End Poin	t Revision number:
)1.15.06	Facilitate S&M - , Protect Workers - Reduce Cost	in looks	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.	BWHC:	Signed
			Ref:	BHI:	Signed
				Date:	9/25/96
				End Point	t Revision number:

### 276-B Organic Makeup/Paint Storage Building Exterior

Task Type: (TT-7) Refurbish or Install					
Number	Objective		End Point		EP Closure
01.15.07	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
	7.0		Ref:	. Date:	9/25/96
				End Poin	t Revision number:

# 276-B Organic Makeup/Paint Storage Building Exterior

	Task Type	e: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
01.15.08	Facilitate S&M - Protect	*	Verify ancillary building identifications are clearly posted on the exterior of the	BWHC: Signed
	Workers - Reduce Cost		building.	BHI: Signed
			Ref:	Date: 9/25/96
				End Point Revision number:
01.15.09	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers -	Document identified area industrial hazards for inclusion in the turnover package.  Ref:	BWHC: Signed
				BHI: Signed
•				Date: 11/6/96
				End Point Revision number:
)1.15.10	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC: Signed
	Requirements	•	substances/dangerous wastes.	BHI: Signed
			Ref:	Date: 10/28/96
				End Point Revision number:

### 276-B Organic Makeup/Paint Storage Building System

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
01.16.01	Facilitate S&M - Protect	*	Drain piping/headers to minimize the residual material using existing equipment	ВWНС:	Signed
	Workers - Reduce Cost		configuration.	BHI:	Signed
			Ref:	Date:	2/10/97
				End Point	Revision number:
					0

# 276-B Organic Makeup/Paint Storage Building System

Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point		EP Closure
01.16.02	Protect Public & Environment	*	Install intrusion barriers on tank vent lines.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	9/25/96
				End Poin	t Revision number:

# 276-B Organic Makeup/Paint Storage Building System

	Task Type	. (	TT-8) Document & Label		
Number	Objective		End Point		EP Closure
01.16.03	Facilitate S&M - Protect	*	Label Abandoned in Place system.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	. Date:	9/25/96
					Revision number: 0
01.16.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:	Signed
			Ref:	BHI:	Signed
				Date:	2/10/97
				End Point l	Revision number:
01.16.05	1 4	Comply with Regulations & Requirements  A Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	remaining hazardous	BWHC:	Signed
			substances/dangerous wastes.	BHI:	Signed
			Ref:	Ref:	Date:
				End Point I	Revision number:

#### 276-B Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
01.17.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	Signed
	Requirements			BHI:	Signed
	Ref:	Ref:	Date:	9/25/96	
				End Poin	t Revision number:
					0
01.17.02	Comply with Regulations & Requirements	1 ' 🔻	minimize the residual material using	BWHC:	Signed
			existing equipment configuration.	BHI:	Signed
			Ref:	Date:	11/4/96
				End Poin	t Revision number:

# 212-B Facility

-B Canyon (2)
-B Change Room (2)
-B Crane (5)
-B Facility Exterior (3)
-B Hot Cell System (6)
-B HVAC Building (2)
-B HVAC System (6)
-B Operating Gallery (1)
-B Truck Port (2)
-B Vessels (6)

	AREA A	CCEPTANCE	
вні	DATE	BWHC	DATE
вні	DATE		

This page intentionally left blank.

# 212-B Canyon

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
02.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 7/21/97
			End Point Revision number:	
Regulations &	Comply with Regulations &	Regulations & hazard commun Requirements	A Review remaining hazards and update the hazard communication program.  Ref:	BWHC: Signed
				BHI: Signed
				Date: 7/31/97
	·			End Point Revision number:
02.01.03	Comply with Regulations &	Regulations &   friable material to eliminate personnel	BWHC: Signed	
	Requirements			BHI: Signed
				Date: 7/31/97
				End Point Revision number:

### 212-B Canyon

	Task Type	2: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
02.01.04	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	8/14/97
				End Poin	t Revision number:
02.01.05 Comply with Regulations & Requirements		* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	7/21/97
				End Poin	t Revision number:
)2.01.06	06 Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	Signed
Requirements		accordance with approved waste handling procedures.	BHI:	Signed	
		Ref:	Ref:	Date:	8/14/97
				End Point	t Revision number:

### 212-B Canyon

Number	Objective		End Point		EP Closure
02.01.07	Protect Public & Environment	*	Isolate/seal exterior doors except the ones identified for use by surveillance and	ВWНС:	Signed
			maintenance activities.	BHI:	Signed
			Ref:	Date:	8/14/97
			<u>.</u>	End Point I	Revision number:
					0
02.01.08	Protect Public & Environment	*	Seal/isolate cover blocks to contain contamination.	BWHC:	Signed
		Ref:	ВНІ:	Signed	
			Ref:	Date:	7/21/97
				End Point I	Revision number:
02.01.09	Protect Public & Environment	*1*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:	Signed
			intrusion.	ВНІ:	Signed
			Ref:	Date:	5/14/97
				End Point F	Revision number:
02.01.10	Facilitate S&M - Protect	*	Isolate/plug floor drains.	ВWНС:	Signed
	Workers - Reduce Cost	Workers -		ВНІ:	Signed
			Ref:	Date:	12/10/96
				End Point F	Revision number:
					0

### 212-B Canyon

Task Type: (TT-5) Isolate & Contain						
Number	Objective		End Point		EP Closure	
02.01.11 Facilitate S&M - * Protect Workers - Reduce Cost		*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:	Signed	
		access.	BHI:	Signed		
			Ref:	Date:	8/14/97	
				End Poin	t Revision number:	

### 212-B Canyon

	Task Type	. 1			
Number	Objective		End Point	EP Closure	
02.01.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC: Signed	
			package.	BHI: Signed	
			Ref:	Date: 7/31/97	
				End Point Revision number:	
02.01.13 Facilitate Decommissioning	Facilitate * Decommissioning	Decommissioning   work pla	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC: Signed	
					Ol Case 2 spa
			Ref:	Date: 8/26/97	
	10			End Point Revision number:	
				0	
02.01.14	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC: Signed	
Requirements	Requirements substances/dangerous wastes.	A ISIINSTANCES/GANGEROUS WASTES	substances/dangerous wastes.	BHI: Signed	
		Ref:	Date: 7/31/97		
				End Point Revision number:	

#### 212-B Change Room

	Task Type: (TT-1) Hazards						
Number	Objective		End Point		EP Closure		
02.02.01	Protect Public & Environment	to and on the Cas benead	BWHC:	Signed			
				BHI:	Signed		
		Ref:	Date:	4/9/97			
			End Poin	t Revision number:			
					0		
02.02.02	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	ВWНС:	Signed		
Requirements	I IEVINSTIFE	BHI:	Signed				
		Ref:	Date:	5/5/97			
				End Poin	t Revision number:		

### 212-B Change Room

	Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure		
02.02.03	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	Signed		
			Best Effort methodology.	BHI:	Signed		
			Ref:	Date:	4/9/97		
				End Poin	t Revision number:		
02.02.04	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	ВWНС:	Signed		
	Requirements			BHI:	Signed		
	37		Ref:	Date:	4/9/97		
				End Poin	t Revision number:		

### 212-B Change Room

Task Type: (TT-5) Isolate & Contain						
Vumber	Objective		End Point		EP Closure	
02.02.05	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets).	BWHC:	Signed	
				BHI:	Signed	
			Ref:	Date:	5/5/97	
				End Point	Revision number:	
					0	
02.02.06	Protect Public & Environment	*	Isolate/seal exterior doors except the ones identified for use by surveillance and	BWHC:	Signed	
		maintenance activities.	maintenance activities.	BHI:	Signed	
			Ref:	Date:	5/5/97	
-				End Point	Revision number:	
2.02.07	Protect Public & Environment	The state of the s	environment to protect from vermin	BWHC:	Signed	
			BHI:	Signed		
			Date:	4/9/97		
				End Point	Revision number:	
Protect Workers -	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:	Signed	
	Workers - Reduce Cost	Workers - access.	BHI:	Signed		
		Ref:		Date:	5/5/97	
				End Point	Revision number:	
	·				0	

### 212-B Change Room

	Task Type	. 1		
Number	Objective		End Point	EP Closure
02.02.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC: Signed
			of Case 2 spaces.	BHI: Signed
	·		Ref:	Date: 5/5/97
				End Point Revision number:
02.02.10 Facilitate Decommissioning	Facilitate Decommissioning	the amounts of an involvent are the atomic and	BWHC: Signed	
			package.	BHI: Signed
			Date: 5/5/97	
				End Point Revision number:
02.02.11	Regulations & remaining hazard	Document amount and location of remaining hazardous	BWHC: Signed	
Requiremen	Requirements	I A ISUNCTONOSCIONALIS WASTES	substances/dangerous wastes.	BHI: Signed
			Ref:	Date: 5/5/97
			End Point Revision number:	

#### 212-B Crane

	Task Type: (TT-1) Hazards							
Number	Objective		End Point		EP Closure			
02.03.01 Facilitate Decommissioning		ommissioning from accessible equipment utilizing	BWHC:	Signed				
			existing configuration using Good Management Practices.	BHI:	Signed			
		Ref:	Date:	7/30/97				
				End Poin	t Revision number:			

#### 212-B Crane

	Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure		
02.03.02 Comply with Regulations & Requirements	* •	dangerous, and mixed waste conducted in	BWHC:	Signed			
			BHI:	Signed			
,			Ref:	Date:	7/30/97		
				End Point	Revision number:		

#### 212-B Crane

Number	Objective		End Point		EP Closure
02.03.03	Facilitate * Provide protective measures to inhibit further equipment degradation permitting	BWHC:	Signed		
	Decommissioning		refurbishment for D&D.	BHI:	Signed
			Ref:	Date:	7/30/97
				End Poin	t Revision number:
	·				0
02.03.04	Facilitate Decommissioning	*	Perform preventive maintenance items prior to deactivation.	BWHC:	Signed
				BHI:	Signed
		Ref:	Ref:	Date:	7/30/97
				End Poin	t Revision number:

#### 212-B Crane

Number	Objective		End Point	EP Closure	
02.03.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Certified vendor	BWHC: Signed	
			information and historical data.	BHI: Signed	
			Ref:	Date: 7/30/97	
				End Point Revision number:	
				0	
02.03.06	Facilitate Decommissioning	*	Label mothballed equipment.	BWHC: Signed	
					BHI: Signed
			Ref:	Date: 7/16/97	
				End Point Revision number:	
				0	
02.03.07	Facilitate Decommissioning	-1	The statement of the	BWHC: Signed	
	,		turnover package.	BHI: Signed	
		Ref:	Ref:	Date: 7/30/97	
				End Point Revision number:	
				0	
02.03.08	Facilitate Decommissioning		Document system lay-up.	BWHC: Signed	
				BHI: Signed	
		Date	Ref:	Date: 7/30/97	
			icy.	End Point Revision number:	
				O	

#### 212-B Crane

Task Type: (TT-8) Document & Label							
Number	Objective		End Point		EP Closure		
02.03.09	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC:	Signed		
	Requirements	I A Islinstances/danderolls wastes	substances/dangerous wastes.	BHI:	Signed		
			Ref:	Date:	7/16/97		
				End Point	Revision number:		

#### 212-B Facility Exterior

Number	Objective		End Point		EP Closure
02.04.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:	Signed
				BHI:	Signed
			Ref:	Date:	7/30/97
				End Point	Revision number:
02.04.02	Facilitate S&M - Protect		Protect   conducted to verify structural integrity for	ВWНС:	Signed
	Workers - Reduce Cost		a minimum of five (5) years.	ВНІ:	Signed
			Ref:	Date:	6/5/97
				End Point	Revision number:
02.04.03	Comply with A	Regulations &   I friable material to eliminate personnel	ВWНС:	Signed	
	Requirements		exposure.	BHI:	Signed
		Ref:	Date:	7/31/97	
				End Point	Revision number:
					0

#### 212-B Facility Exterior

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
02.04.04	Facilitate Decommissioning	V	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
		Ref:	Ref:	Date:	7/30/97
				End Point	t Revision number:
					0
02.04.05	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed
	Requirements		accordance with approved waste handling procedures.	BHI:	Signed
			Ref:	Date:	8/14/97
				End Point	t Revision number:

### 212-B Facility Exterior

	Task Type	e: (	(TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
02.04.06	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and	BWHC:	Signed
			maintenance activities.	BHI:	Signed
			Ref:	Date:	8/14/97
				End Poin	t Revision number
02.04.07	Protect Public & Environment	*	Seal hole on east side of building to prevent contamination migration.	BWHC:	Signed
			Ref:	BHI:	Signed
				Date:	7/7/97
				End Poin	t Revision number.
					0
02.04.08	Protect Public & Environment	4.	Isolate vent lines to atmosphere.	BWHC:	Signed
			Ref:	BHI:	Signed
				Date:	5/5/97
`				End Point	Revision number
02.04.09	Protect Public & Environment	Environment to protect from vermin intrusion.	ВWНС:	Signed	
				BHI:	Signed
			Ref:	Date:	5/5/97
				End Poin	t Revision number

#### 212-B Facility Exterior

	Task Type	2: (	TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
02.04.10	Facilitate S&M - Protect	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	10/21/96
				End Poin	t Revision number:
					0
02.04.11	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:	Signed
Workers - Reduce Cost		access.	BHI:	Signed	
			Ref:	Date:	8/14/97
				End Poin	t Revision number:

### 212-B Facility Exterior

Task Type: (TT-7) Refurbish or Install							
Number	Objective		End Point	EP Closure			
02.04.12	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	BWHC:			
	Workers - Reduce Cost			BHI:			
			Ref:	Date:			
				End Point Revision number:			

#### 212-B Facility Exterior

Number	Objective		End Point		EP Closure
02.04.13	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed
	Workers - Reduce Cost		package.	BHI:	Signed
			Ref:	. Date:	7/31/97
				End Poin	t Revision number:
					0
02.04.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies	BWHC:	Signed
		Structural Studies  Ref:	Structural Studies	BHI:	Signed
			Ref:	Date:	8/26/97
				End Poin	t Revision number:
					0

### 212-B Hot Cell System

Task Type: (TT-1) Hazards						
Number	Objective		End Point		EP Closure	
02.05.01	Facilitate S&M - Protect	*	Drain piping/headers to minimize the residual material using existing equipment	BWHC:	Signed	
11111	Workers - Reduce Cost		configuration.	BHI:	Signed	
			Ref:	Date:	7/30/97	
				End Poin	t Revision number:	

### 212-B Hot Cell System

Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure	
Re	Comply with Regulations &	* •	dangerous, and mixed waste conducted in	BWHC:	Signed	
	Requirements	I laccordance with approved was	accordance with approved waste handling procedures.	BHI:	Signed	
			Ref:	Date:	7/30/97	
				End Poin	t Revision number:	
- '					0	

### 212-B Hot Cell System

Task Type: (TT-5) Isolate & Contain							
Number	Objective		End Point		EP Closure		
02.05.03	Facilitate S&M - Protect	*	Isolate lines leading to 221-B (i.e. close valves).	BWHC:	Signed		
10	Workers - Reduce Cost			BHI:	Signed		
			Ref:	. Date:	8/14/97		
				End Point	t Revision number:		

### 212-B Hot Cell System

Number	Objective		End Point		EP Closure
02.05.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:	Signed
				BHI:	Signed
	-		Ref:	Date:	8/14/97
				End Point	Revision number:
02.05.05	Comply with	A	Document amount and location of	BWHC:	Signed
	Regulations & Requirements	tions & substances/dangerous wastes	ВНІ:	Signed	
				Date:	7/16/97
			Ref:	End Point	Revision number:
					0

### 212-B HVAC Building

	Task Type		Y		201
Number	Objective		End Point	EF	Closure
02.06.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Sig	gned
				BHI: Sig	gned
			Ref:	Date: 7/3	30/97
				End Point Revi	sion number:
02.06.02	Comply with Regulations &	The latest terms of the state o	BWHC: Sig	gned	
	Requirements			BHI: Sig	gned
			Ref:	Date: 7/3	31/97
				End Point Revi	sion number:
02.06.03	Comply with Regulations &	A C	friable material to eliminate personnel	BWHC: Sig	gned
	Requirements		exposure.	BHI: Sig	ned
		Ref:	Ref:	Date: 7/3	31/97
				End Point Revi	sion number:

## 212-B HVAC Building

F-0.	Task Type	. 1			
Number	Objective		End Point		EP Closure
02.06.04	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	7/30/97
				End Point	Revision number:
02.06.05	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	Signed
	Requirements	Requirements procedures.	accordance with approved waste handling procedures.	BHI:	Signed
			Ref:	Date:	8/14/97
				End Point	Revision number.
)2.06.06	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	ВWНС:	Signed
	Requirements	Requirements		BHI:	Signed
			Ref:	Date:	5/14/97
				End Point	Revision number:

## 212-B HVAC Building

Number	Objective		End Point		EP Closure		
02.06.07		*	Ensure engineered barriers/seals are in place to prevent migration of both	BWHC:	Signed		
			hazardous and radioactive contamination to the environment.	ВНІ:	Signed		
			Ref:	Date:	5/14/97		
				End Poin	Revision number:		
					0		
02.06.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:	Signed		
		intrusion.	BHI:	Signed			
		Ref:	Ref:	Date:	5/14/97		
						End Point	Revision number:
02.06.09	Protect Workers -	Facilitate S&M - 4	Protect Workers - feeders.	BWHC:	Signed		
02.00.07		Protect					
				ВНІ:	Signed		
			Ref:	Date:	8/14/97		
				End Point	Revision number:		
					0		
02.06.10	Facilitate S&M - Protect	*	Secure/lock doorways and other access points.	BWHC:	Signed		
	Workers -			ВНІ:	Signed		
			Ref:	Date:	7/31/97		
				End Point	Revision number:		
						0	

### 212-B HVAC Building

	Task Type	e: (	TT-5) Isolate & Contain		
Number	Objective		End Point		EP Closure
02.06.11	Facilitate S&M - Protect	*	Isolate/plug floor drains.	ВWНС:	Signed
Workers - Reduce Cost			BHI:	Signed	
	Ref:	Date:	5/14/97		
				End Poin	t Revision number:
		- 34			0
02.06.12	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:	Signed
	Workers - Reduce Cost		access.	BHI:	Signed
		Ref:	Date:	7/31/97	
				End Poin	t Revision number:

### 212-B HVAC Building

Number	Objective		End Point	EP C	losure									
02.06.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC: Signe	d									
			of Case 2 spaces.	BHI: Signe	d									
			Ref:	Date: 8/26/9	97									
				End Point Revision	number.									
02.06.14 Facilitate Decommissioning	1 4	hanneds for inclusion in the turns on	BWHC: Signe	d										
			раскаде.	BHI: Signe	d .									
			Ref:	Date: 7/31/9	)7									
02.06.15	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC: Signe										
_	Requirements		substances/dangerous wastes.	BHI: Signe	d									
	0		Ref:	Date: 7/31/9	7									
				End Point Revision	number:									

### 212-B HVAC System

	Task Type: (TT-1) Hazards						
Vumber	Objective		End Point		EP Closure		
02.07.01 Facilitate S&M - Protect Workers - Reduce Cost		*	Remove accessible monitoring equipment containing hazardous material (i.e. lead	BWHC:	Signed		
		shielding).  Ref:	ВНІ:	Signed			
			Date:	6/23/97			
				End Poin	t Revision number:		

### 212-B HVAC System

	Task Type	e: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
02.07.02	Protect Public & Environment	*	Isolate HVAC supply.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 7/30/97
				End Point Revision number:
				0
02.07.03	Protect Public & Environment	*	Isolate swamp cooler supply to change room.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 5/5/97
				End Point Revision number:
02.07.04	Facilitate S&M - Protect	T homest	Remove filters from hot cell to 221-B wind tunnel.	BWHC: Signed
			BHI: Signed	
			Ref:	Date: 7/30/97
				End Point Revision number:
Work	Facilitate S&M - Protect		Remove inlet filters.	BWHC: Signed
	Workers - Reduce Cost			BHI: Signed
			Ref:	Date: 7/30/97
	, ,			End Point Revision number:
				0

### 212-B HVAC System

Number	Objective		End Point		EP Closure				
02.07.06	Facilitate S&M - Protect	*	Label Abandoned in Place system.	BWHC:	Signed				
	Workers - Reduce Cost			BHI:	Signed				
			Ref:	. Date:	7/30/97				
				End Point	t Revision number: 0				
02.07.07 Facilitate Decommissioning	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:	Signed				
				BHI:	Signed				
	·		Ref:	Date:	8/26/97				
									End Point
2.07.08	8 Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:	Signed				
	Requirements	equirements	- Iclinetances/danderolle Wastes	BHI:	Signed				
			Ref:	Date:	7/31/97				
				End Point	Revision number:				

### 212-B Operating Gallery

	Task Type	-	<del></del>	ED CI										
Number	Objective		End Point	EP Closure										
02.08.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Signed										
				BHI: Signed										
			Ref:	Date: 6/23/97										
				End Point Revision numbe										
Regulati	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC: Signed										
	Requirements	Requirements  Ref:	BHI: Signed											
			Ref:	Ref:	Date: 6/26/97									
02.08.12	Comply with Regulations & Conduct confined space assessme resolve any identified issues.	Conduct confined space assessment and resolve any identified issues.	BWHC: Signed											
	Requirements		equirements		BHI: Signed									
				Date: 7/7/97										
				End Point Revision number										

### 212-B Operating Gallery

	Task Type	2: (	(TT-2) Radiation Fields		
Number	Objective	0_1	End Point		EP Closure
02.08.03	Facilitate S&M - Protect	*	Remove manipulators and seal ports in the control room and remove area from	BWHC:	Signed
Workers - Reduce Cost		RMA status.	BHI:	Signed	
			Ref:	Date:	6/23/97
				End Poin	t Revision number:

### 212-B Operating Gallery

I b an	Objective		End Point	E	P Closure	
Vumber	Objective					
02.08.04	Facilitate S&M - Protect	1	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.	BWHC: Si	gned	
	Workers - Reduce Cost		Best Enort methodology.	BHI: Si	gned	
			Ref:	Date: 6/	23/97	
				End Point Rev	ision number:	
				0		
	Comply with Regulations &	Regulations & Requirements Containing hazardous mat shielding).	containing hazardous material (i.e. lead	BWHC: Si	gned	
	Requirements		shielding).	BHI: Si	gned	
			Ref:	Date: 7/	7/97	
				End Point Rev	ision number:	
					0	
Reg	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	BWHC: Si	gned	
	Requirements				BHI: Si	gned
			Ref:	Date: 7/	7/97	
			nej.	End Point Rev	ision number:	

### 212-B Operating Gallery

	Task Type	e: (	TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
02.08.07	Protect Public & Environment	*	Isolate sump discharge line.	ВWНС:	Signed
			-	BHI:	Signed
			Ref:	. Date:	6/23/97
	-			End Point	Revision number:
02.08.08	Protect Public &	Environment	Isolate/plug floor drains.	ВWНС:	Signed
Environment	Environment			BHI:	Signed
			Ref:	Date:	5/14/97
				End Point	Revision number:

### 212-B Operating Gallery

Number	Objective		End Point	EP Closure	
02.08.09	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	BWHC: Signed	
	Workers - Reduce Cost		package.	BHI: Signed	
			Ref:	Date: 6/26/97	
				End Point Revision number:	
02.08.10 Facilitate Decommissioning	10 Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC: Signed	
				BHI: Signed	
		Ref: _	Ref:	Date: 7/7/97	
	- 4			End Point Revision number:	
02.08.11 Comply with Regulations & Requirements		Regulations & remaining h	Document amount and location of remaining hazardous	BWHC: Signed	
	Requirements			substances/dangerous wastes.	BHI: Signed
				Ref:	Date: 6/26/97
				End Point Revision number:	

#### 212-B Truck Port

	Task Type	e: (	(TT-1) Hazards		
Number	Objective		End Point		EP Closure
02.09.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
	1		Ref:	Date:	6/23/97
				End Poin	t Revision number:

#### 212-B Truck Port

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
02.09.02	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
		Best Effort methodology.		Signed	
			Ref:	Date:	6/23/97
				End Poin	t Revision number:
					0
02.09.03	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:	Signed
	Requirements			ВНІ:	Signed
			Ref:	Date:	6/23/97
				End Poin	t Revision number:
					0

#### 212-B Truck Port

Number	Objective		End Point		EP Closure
02.09.04	Protect Public & Environment	*	Secure/lock vehicle access door to the exterior.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	8/19/97
				End Poin	t Revision number:
					0
02.09.05	Protect Public & Environment	*	Isolate/seal interface with canyon.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	6/26/97
				End Poin	t Revision number:
2.09.06	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	BWHC:	Signed
			intrusion.	BHI:	Signed
			Ref:	Date:	6/23/97
				End Poin	t Revision number:
02.09.07	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:	Signed
	Workers - Reduce Cost		access.	BHI:	Signed
			Ref:	Date:	7/7/97
				End Poin	t Revision number:
					0

#### 212-B Truck Port

	Task Type	e: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
02.09.08	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC: Signed
			of Case 2 spaces.	BHI: Signed
			Ref:	Date: 8/26/97
				End Point Revision number:
02.09.09	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC: Signed
			package.	BHI: Signed
			Ref:	Date: 6/26/97
				End Point Revision number:
02.09.10	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC: Signed
	Requirements	•	substances/dangerous wastes.	BHI: Signed
			Ref:	Date: 6/26/97
				End Point Revision number:

#### 212-B Vessels

Number	Objective		End Point		EP Closure	
02.10.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed	
Requirements  Ref:				BHI:	Signed	
	Ref:	Date:	8/26/97			
				End Point Revision number		
					0	
02.10.02	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed	
	Requirements		existing equipment configuration.	BHI:	Signed	
			Ref:	Date:	8/14/97	
		-		End Point Revision number:		

# 221-B Electrical Gallery

221-B Electrical Gallery (1)			 							 	 				198
221-B Electrical Gallery System (6)	 ,	 ,	 								 				204
221-B Electrical Gallery Vessels (6)															

	AREA A	CCEPTANCE	
вні	DATE	вwнс	DATE
вні	DATE	-	

This page intentionally left blank.

#### 221-B Electrical Gallery

Number	Objective		End Point	EP Closure
03.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
			BHI:	
			Ref:	Date:
				End Point Revision number
	Comply with	A	Review remaining hazards and update the hazard communication program.	BWHC:
	Regulations & Requirements			BHI:
			Ref:	Date:
				End Point Revision number
03.01.03	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC:
	Requirements		exposure.	BHI:
			Ref:	Date:
				End Point Revision number
03.01.18	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number

#### 221-B Electrical Gallery

	Task Type	e: (TT-1) Hazards	
Number	Objective	End Point	EP Closure
03.01.19	Facilitate S&M - Protect	* Remove UPS batteries.	BWHC:
	Workers - Reduce Cost		BHI:
		Ref:	Date:
			End Point Revision number:

# 221-B Electrical Gallery

	Task Type	e: (	TT-3) Contamination	
Number	Objective		End Point	EP Closure
03.01.04	Facilitate S&M - Protect	*	The general space dose rate meets the definition of an RBA as defined in Hanford	ВWНС:
	Workers - Reduce Cost		Site Radiological Control Manual (HSRCM- 1), Chapter 2, Rev 2. Potential for contamination above 6 feet exists.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
03.01.05	Facilitate S&M - Protect	*	Remove/fix/contain source material in the sumps on the south side.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
				0
03.01.06	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:
			Ref:	Date:
				End Point Revision number:
		l		0

# 221-B Electrical Gallery

	Task Typ	e.	TT- 4) Waste	
Number	Objective		End Point	EP Closure
03.01.07	Facilitate S&M - Protect	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
	Workers - Reduce Cost		Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
03.01.08	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.  Ref:	ВWНС:
	Requirements			BHI:
				Date:
				End Point Revision number:
3.01.09	Comply with Regulations &		Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:
	Requirements		accordance with approved waste handling procedures.	BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Electrical Gallery

Number	Objective		End Point	EP Closure
03.01.10	Protect Public & Environment	*	Seal entrances to the facility except the ones identified for use by surveillance and	BWHC:
	Environment.		maintenance activities.	BHI:
			Ref:	Date:
				End Point Revision number:
				. 0
03.01.11	Facilitate S&M - Protect	V	Isolate/seal access doors not utilized during routine surveillance.	BWHC:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
00 01 10	F '1' . COM	1	Inclote/plus floor drains	BWHC:
03.01.12	Facilitate S&M - Protect	V	Isolate/plug floor drains.	винс:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
				.0
03.01.13	Facilitate S&M - Protect	1	Ensure fire dampers are closed.	ВWНС:
	Workers - Reduce Cost			BHI:
	11000000000			Date:
			Ref:	
	·			End Point Revision number:
				0

# 221-B Electrical Gallery

	Task Type	. (		T
Number	Objective		End Point	EP Closure
03.01.14 F	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover package.	ВWНС:
	Workers - Reduce Cost		package.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
03.01.15	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
)3.01.16	Comply with Regulations & Requirements	egulations &	Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:
	Comply with	gulations & contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual	ВWНС:	
	Requirements		radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. <i>Ref</i> :	BHI:
				Date:
				End Point Revision number:
				0

# 221-B Electrical Gallery System

	Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure		
03.02.01	Facilitate S&M - Protect	*	containing hazardous material (i.e. lead	ВWНС:		
	Workers - Reduce Cost		shielding).	BHI:		
			Ref:	Date:		
				End Point Revision number:  0		

# 221-B Electrical Gallery System

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
03.02.02	Comply with Regulations &	* •	Minimize the residual material remaining in piping/tanks using existing equipment	BWHC:
	Requirements		configuration.	BHI:
		-	Ref:	. Date:
				End Point Revision number:

# 221-B Electrical Gallery System

Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point		EP Closure
03.02.03 Facilitate S&M Protect	Facilitate S&M - Protect	*	Isolate tank 900 inlet and outlet piping.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	7/7/97
				End Poin	t Revision number:

# 221-B Electrical Gallery System

Task Type: (TT-8) Document & Label				
Number	Objective		End Point	EP Closure
03.02.04	Facilitate S&M - Protect	*	Label Abandoned in Place system.	ВWНС:
	Workers - Reduce Cost			ВНІ:
			Ref:	Date:
				End Point Revision number:
03.02.05	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:
			Ref:	BHI:
				Date:
				End Point Revision number:
13.02.06	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC:
	Requirements	•	substances/dangerous wastes.	BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Electrical Gallery Vessels

Number	Objective		End Point		EP Closure
03.03.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	12/11/97
				End Poin	t Revision number:
					0
03.03.02	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
Requirements		existing equipment configuration.	BHI:	Signed	
		D.f.	Date:	12/11/97	
			Ref:	End Poin	t Revision number:
				25/10/2 01/1	0

# 221-B Facility

133 1		BWHC	DATE
BHI	DATE		
	AREA ACC	CEPTANCE	
22. 2 00. 10 (2)			
221-B Cell 40 (2)			
221-B Cell 39 Vessels (6)			
221-B Cell 36 Vessels (6)			
221-B Cell 35 Vessels (6)			
			247
			245
			244
221-B Cell 23 Vessels (6)			
			· N
` '			
, ,			
221-B Cell 17 Vessels (6)			
. ,			
221-B Cell 13 Vessels (6)			
, ,			
221-B Cell 11 Vessels (6)			
221-B Cell 10 Vessels (6)			
221-B Canyon Crane (5)			
221-B Canyon Cell 4 (2)			
221-B Canyon & Deck (2)			

DATE

BHI

HNF-SD-WM-TPP-054 Rev. 2B

221-B Cell 5 Vessels (6)	
221-B Cell 5 Vessels (6) 221-B Cell 6 Vessels (6) 221-B Cell 7 Vessels (6)	
221-B Cell 7 Vessels (6)	
221-B Cell 8 Vessels (6)	
221-B Cell 9 Vessels (6)	
221-B Facility Exterior (3)	265
221-B Operating Gallery Active Vessels (6)	
221-B RR Tunnel (2)	274a
221-B SWP Change Room Labbu (2)	275
221B-FP-F-22-9 A/Vessel Vent Filter Pits (2)	
221B-FP-F-22-9 A/Vessel Vont Eiles Divy	287
221B-FP-F-22-9 R/Vessel Vent Eiles Die (a)	293
221B-FP-F-22-9 R/Vessel Vent Filter Div V	294
221B-FP-F-22-9 C/Vessel Vent Filter Pit Vessels (6) 221B-FP-F-22-9 C/Vessel Vent Filter Pit Vessels (6)	300
221B-FP-F-22-9 C/Vessel Vent Filter Dit Vessel	301
221B-SMP-R/Inactive Utility Pit (2)	307
221BB-VP-01/Never Used Steam Condamy Division	308
221BC-VP-01/Inactive Utility Pit (2)	314
221BC-VP-02/Inactive Utility Pit (2)	320
Vessel Vent System in 221B-FP-F-22-9A&B (6) WESF Isolation	326
WESF Isolation	332

# 221-B Canyon & Deck

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
04.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard including	ВWНС:
			propane fuel.	BHI:
			Ref:	Date:
				End Point Revision number:
04.01.02 Comply with Regulations & Requirements	lations &   friable material to eliminate personnel	ВWНС:		
				BHI:
				Date:
				End Point Revision number:
14.01.03		Review remaining hazards and update the hazard communication program.	ВWНС:	
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Canyon & Deck

Task Type: (TT-2) Radiation Fields					
Number	Objective		End Point	EP Closure	
04.01.05 Comply with Regulations & Requirements		A	With Hamord Site Radiological Control	ВWНС:	
		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:		
			Ref:	Date:	
		J.		End Point Revision number:	

# 221-B Canyon & Deck

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
04.01.04	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
				End Point Revision number:	
				0	

# 221-B Canyon & Deck

	Task Type	2: (	(TT-4) Waste	
Number	Objective		End Point	EP Closure
04.01.06 Facilitate	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
04.01.07	Facilitate Decommissioning	1	Remove propane tank from stinger II truck.	
				BHI:
	=		Ref:	Date:
				End Point Revision number:
04.01.08	Comply with Regulations &	egulations &	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:
	Requirements		accordance with approved waste handling procedures.	BHI:
			Ref:	Date:
				End Point Revision number:
Regulations	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

#### 221-B Canyon & Deck

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
	Comply with Regulations &	T	Remove freon from crane air conditioning unit.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Canyon & Deck

I b an	Ohioatina		End Point	ED Clamina
Vumber	Objective		Ena Foint	EP Closure
04.01.11	Facilitate S&M - Protect	*	Ensure engineered barriers/seals are in place to prevent migration of both hazardous and radioactive contamination	BWHC:
	Workers - Reduce Cost		to the surrounding space.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
04.01.12	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:
	2111101111011	intrusion.	BHI:	
			D <sub>o</sub> f.	Date:
			Ref:	End Point Revision number:
				Ena Foint Revision number:
04.01.13	Protect Public &	ect Public & *	place to prevent migration of both	BWHC:
04.01.13	Environment			Birric.
			hazardous and radioactive contamination to the environment.	ВНІ:
				Date:
			Ref:	
				End Point Revision number:
04.01.14	Facilitate S&M - Protect		* Ensure cover blocks are in place.	ВWНС:
	Workers - Reduce Cost			BHI:
				Date:
			Ref:	
				End Point Revision number:
			-	0

# 221-B Canyon & Deck

	Task Type	e: (	TT-5) Isolate & Contain	
Vumber	Objective		End Point	EP Closure
04.01.15	Facilitate S&M - Protect Workers -	*	Remove canyon inlet filters (10 units) & isolate.	BWHC: BHI:
	Reduce Cost			
			Ref:	Date:
				End Point Revision number:
04.01.16 Facilitate S&M - Protect Workers - Reduce Cost	Facilitate S&M - Protect	* Isolate canyon forced air supply (10).	BWHC:	
				BHI:
			Ref:	Date:
				End Point Revision number:
)4.01.17	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:
V	Workers - Reduce Cost	a	access.	BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Canyon & Deck

		. (	(TT-8) Document & Label		
Number	Objective		End Point	EP Closure	
04.01.18	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	ВWНС:	
			of Case 2 spaces. Red lined cell arrangement drawings with ECN's attached.	BHI:	
			Ref:	Date:	
				End Point Revision number.	
04.01.19	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	
		Ref:	BHI:		
			Ref:	Date:	
				End Point Revision number:	
04.01.20	Comply with Regulations & Requirements	: 1	Document amount and location of remaining hazardous substances/dangerous wastes.	ВWНС:	
				BHI:	
			Ref:	Date:	
				End Point Revision number:	
04.01.21	Comply with Regulations &	A	Document space dose rates and contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref:	ВWНС:	
	Requirements	*		BHI:	
				Date:	
				End Point Revision number:	

# 221-B Canyon Cell 4

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.02.01	Comply with Regulations &	* •	Provide complete waste descriptions (ref. EPTI #7).	BWHC:	
	Requirements			BHI:	
			Ref:	Date:	
				End Point Revision number:	

# 221-B Canyon Cell 4

	Task Typ	e: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
04.02.02	Comply with Regulations &	-	Complete waste container inventories (ref. EPTI #7).	ВWНС:
	Requirements	•		BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Canyon Crane

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
	Facilitate Decommissioning	* Drain liquids not required for preservation from accessible equipment utilizing	ВWНС:		
			existing configuration using Good Management Practices.	BHI:	
			Ref:	Date:	
				End Point Revision number:	

# 221-B Canyon Crane

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
	Comply with Regulations &	dangerou	dangerous, and mixed waste conducted in	ВWНС:	
The second	Requirements		accordance with approved waste handling procedures.	BHI:	
- 100		-	Ref:	Date:	
				End Point Revision number:	

# 221-B Canyon Crane

Manaham	Task Type	,	End Point	EP Closure
Number	Objective			
04.03.03	Facilitate Decommissioning	*	Isolate/seal access door.	BWHC:
				BHI:
			Ref:	Date:
			rej.	End Point Revision number:
				O Date of the Nevision number.
04.03.04	Facilitate Decommissioning	*	Remove HEPA filter(s) and isolate.	BWHC:
				BHI:
			Ref:	Date:
				End Point Revision number:
				0

# 221-B Canyon Crane

	Task Type	: (	TT-7) Refurbish or Install	
Number	Objective		End Point	EP Closure
04.03.05	Facilitate Decommissioning	*	Perform preventive maintenance items prior to deactivation.	BWHC:
			BHI:	BHI:
			Ref:	
				End Point Revision number:
04.03.06	Facilitate A	*	further equipment degradation permitting	BWHC:
			refurbishment for D&D.	BWHC:  BHI:  Date:  End Point Revision number:  0  BWHC:
			Ref:	Date:
	-			End Point Revision number:

#### 221-B Canyon Crane

	Task Type	2: (	(TT-8) Document & Label		
Number	Objective		End Point	EP Closure	
04.03.07	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Certified vendor	ВWНС:	
			information and historical data.	ВНІ:	
			Ref:	Date:	
				BHI:  Date:  End Point Revision number:  0  BWHC:  BHI:  Date:  End Point Revision number:  0  BWHC:  BHI:  Date:  End Point Revision number:  0  BWHC:  BHI:	
			January Company	0	
04.03.08	Facilitate Decommissioning	*	Store optic calibration equipment.	ВWНС:	
				ВНІ:	
			Ref:	Date:	
				7-0-1-	
4.03.09	Facilitate Decommissioning	*	Label mothballed equipment.		
	Decommissioning			BHI:	
			Ref:	Date:	
			rej.	End Point Posicion wombon	
04.03.10	Facilitate Decommissioning	*	Include system restart and preventive maintenance procedures as part of the	ВWНС:	
			turnover package.	BHI:	
			Ref:	Date:	
			nej.	End Point Revision number:	
				0	

# 221-B Canyon Crane

	Task Type	2: (	TT-8) Document & Labe	el
Number	Objective		End Point	EP Closure
04.03.11	Facilitate Decommissioning	*	Document system lay-up.	BWHC:
				BHI:
		Ref:	Date:	
				End Point Revision number:
R	Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:
	Requirements	•	substances/dangerous wastes.	ВНІ:
			Ref:	Date:
				End Point Revision number:

### 221-B Cell 10 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.04.01	Comply with Regulations &		Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	
	Requirements			BHI:	
			Ref:	Date:	
				End Point Revision number:	
R	Comply with	Regulations &	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	ВWНС: .	
	Requirements			BHI:	
				Date:	
				End Point Revision number:	

## 221-B Cell 11 Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.05.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	4/11/97
					End Poin
Re	Comply with Regulations &	Regulations &	Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	BWHC:	Signed
	Requirements			BHI:	Signed
				Date:	4/11/97
					End Poin

### 221-B Cell 12 Vessels

Number	Objective		End Point		EP Closure
04.06.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
	Requirements			ВНІ:	Signed
			Ref:	Date:	4/11/97
				End Point Revision number:	
					0
04.06.02	Comply with Regulations & Requirements	* •	* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:	Signed
				BHI:	Signed
				Date:	4/11/97
				End Poin	t Revision number:
					0

## 221-B Cell 13 Vessels

	Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure		
04.07.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed		
	Requirements		existing equipment configuration.	BHI:	Signed		
			Ref:	Date:	4/11/97		
				End Poin	t Revision number:		
					0		
Regulation	Comply with Regulations &		* Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	BWHC:	Signed		
	Requirements			BHI:	Signed		
				Date:	4/11/97		
				End Poin	t Revision number:		

### 221-B Cell 14 Vessels

17 1	Task Typ	<u> </u>		1	ED Classes					
Number	Objective		End Point		EP Closure					
04.08.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed					
	Requirements			BHI:	Signed					
			Ref:	Date:	4/11/97					
										End Poin
					0					
F	Comply with Regulations &	TO 111111	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:	Signed					
	Requirements			BHI:	Signed					
				Date:	4/11/97					
				End Poin	t Revision number:					
					0					

## 221-B Cell 17 Vessels

Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure	
04.09.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	Signed	
71 7	Requirements		existing equipment configuration.	BHI:	Signed	
			Ref:	Date:	4/11/97	
				End Point Revision number:		
					0	
04.09.02	Comply with Regulations &	egulations &	Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	BWHC:	Signed	
	Requirements			BHI:	Signed	
				Date:	4/11/97	
				End Poin	t Revision number:	

### 221-B Cell 18 Vessels

Number	Objective		End Point	EP Closure
04.10.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
		Ref:	Date:	
				End Point Revision number:
Regulations	Comply with	Regulations & Requirements	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:
	Regulations & Requirements			BHI:
				Date:
				End Point Revision number:
			1000	0

## 221-B Cell 19 Vessels

Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure	
04.11.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed	
	Requirements			BHI:	Signed	
			Ref:	Date:	4/11/97	
				End Point Revision number:		
					0	
Regulations &	Comply with Regulations &		minimize the residual material using	BWHC:	Signed	
	Requirements		existing equipment configuration.	BHI:	Signed	
			Ref:	Date:	4/11/97	
				End Poin	t Revision number:	

### 221-B Cell 20 Vessels

	Task Type: (TT-4) Waste						
Number	Objective		End Point	EP Closure			
04.12.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:			
	Requirements		existing equipment configuration.	ВНІ:			
			Ref:	Date:			
				End Point Revision number:			
04.12.02	Comply with Regulations &	* •	* Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	ВWНС:			
	Requirements			BHI:			
				Date:			
				End Point Revision number:			

### 221-B Cell 21 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.13.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:
04.13.02 Comply with Regulations & Requirements		* •	* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	ВWНС:
	Requirements			ВНІ:
				Date:
				End Point Revision number:

### 221-B Cell 22 Vessels

	Task Type: (TT-4) Waste						
Number	Objective		End Point	EP Closure			
04.14.01	Comply with Regulations &		Flush/drain chemical addition piping to minimize the residual material using	ВWHС:			
	Requirements		existing equipment configuration.	BHI:			
		Ref:	Date:				
				End Point Revision number:			
04.14.02	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWHС:			
	Requirements		Ref:	BHI:			
		•		Date:			
				End Point Revision number:			

### 221-B Cell 23 Vessels

	Task Type: (TT-4) Waste							
Number	Objective		End Point	1	EP Closure			
04.15.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed			
	Requirements		existing equipment configuration.	BHI:	Signed			
			Ref:	Date:	4/11/97			
				End Point Revision number:				
					0			
Regulati	Comply with Regulations &	gulations &	★ Verify identified requirements as defined in the Vessel Listing Table have been met. Ref:	BWHC:	Signed			
	Requirements			BHI:	Signed			
				Date:	4/11/97			
				End Point	t Revision number:			
					0			

### 221-B Cell 24 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.16.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	BHI:
			Ref:	Date:
				End Point Revision number:
Regulations	Comply with	ulations & in the Vessel Listing Table have been me	ВWНС:	
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

## 221-B Cell 25 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.17.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:
04.17.02 Comply with Regulations & Requirements		* •	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:
	Requirements			ВНІ:
				Date:
				End Point Revision number:

## 221-B Cell 26 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.18.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	
	Requirements		existing equipment configuration.	BHI:	
			Ref:	Date:	
				End Point Revision number:	
04.18.02	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	
	Requirements			BHI:	
			Ref:	Date:	
				End Point Revision number:	

## 221-B Cell 27 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.19.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:
04.19.02 Comply with Regulations & Requirements			* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:

### 221-B Cell 28 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.20.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	BHI:
			Ref:	Date:
				End Point Revision number:
04.20.02	Comply with Regulations & Requirements	* •	* Verify identified requirements as defined in the Vessel Listing Table have been met.  **Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:

## 221-B Cell 29 Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.21.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	4/11/97
				End Point Revision number:	
					0
04.21.02 Comply with Regulations & Requirements		* Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed	
	Requirements		Ref:	BHI:	Signed
				Date:	4/11/97
				End Point	t Revision number:
					0

### 221-B Cell 30 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.22.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
	·		Ref:	Date:
				End Point Revision number:
04.22.02 Comply with Regulations & Requirements		* •	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	ВWНС:
	Requirements			BHI:
				Date:
				End Point Revision number:

## 221-B Cell 31 Vessels

Number	Objective		End Point		EP Closure
04.23.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
-	Requirements			BHI:	Signed
			Ref:	Date:	1/31/97
				End Poin	t Revision number:
04.23.02 Comply with Regulations & Requirements		* •	* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:	Signed
	-			BHI:	Signed
				Date:	1/31/97
				End Poin	t Revision number:

#### 221-B Cell 32 Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.24.01	Comply with Regulations & Requirements	*	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:  BHI:  Date:  End Point Revision number:
04.24.02	Comply with Regulations & Requirements	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	BWHC:  BHI:  Date:  End Point Revision number:  0

## 221-B Cell 33 Vessels

Number	Objective		End Point		EP Closure
04.25.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	1/31/97
				End Poin	t Revision number:
04.25.02 Comply with Regulations & Requirements		* •	* Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	BWHC:	Signed
				BHI:	Signed
				Date:	1/31/97
				End Poin	Revision number:

## 221-B Cell 34 Vessels

	Task Typ	e: (	TT-4) Waste			
Number	Objective		End Point		EP Closure	
04.26.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed	
	Requirements		existing equipment configuration.	BHI:	Signed	
			Ref:	Date:	4/11/97	
						End Poin
					0	
04.26.02 Comply with	Comply with Regulations &	* •	* Verify identified requirements as defined in the Vessel Listing Table have been met.  Ref:	BWHC:	Signed	
	Requirements			BHI:	Signed	
				Date:	4/11/97	
				End Point	t Revision number:	
					0	

## 221-B Cell 35 Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.27.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	4/11/97
				End Poin	t Revision number:
					0
04.27.02 Comply with Regulations & Requirements		* •	★ Verify identified requirements as defined in the Vessel Listing Table have been met. Ref:	BWHC:	Signed
	Requirements			BHI:	Signed
				Date:	4/11/97
				End Poin	t Revision number:

### 221-B Cell 36 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point		EP Closure
04.28.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
		Ref:	Date:	3/3/97	
				End Poin	t Revision number:
					0
04.28.02	Comply with Regulations &	T	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
Requirements	Requirements		Ref:	BHI:	Signed
		Ref:		Date:	3/3/97
				End Poin	t Revision number:
					0

## 221-B Cell 37 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point		EP Closure
04.29.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
+	Requirements			ВНІ:	Signed
			Ref:	Date:	4/11/97
				End Poin	t Revision number:
					0
04.29.02	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	4/11/97
				End Poin	t Revision number:
					0

### 221-B Cell 38 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point		EP Closure
04.30.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
		Ref:	Date:	4/11/97	
				End Point	Revision number:
					0
04.30.02	Comply with Regulations &	* •	★ Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
	Requirements			BHI:	Signed
		Ref:	Ref:	Date:	4/11/97
				End Point	Revision number:
					0

## 221-B Cell 39 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.31.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	
	Requirements			BHI:	
		Ref:	Date:		
				End Point Revision number:	
04.31.02	Comply with Regulations &	Regulations & minimize the residual material using	minimize the residual material using	ВWНС:	
	Requirements		BHI:		
			Ref:	Date:	
-				End Point Revision number:	

## 221-B Cell 40

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
04.47.10	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	ВWНС:	
	Requirements			BHI:	
			Ref:	Date:	
				End Point Revision number:	
	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWHC:	
			Ref:	ВНІ:	
				Date:	
				End Point Revision number:	
)4.47.12	Comply with			Review remaining hazards and update the hazard communication program.	ВWНС:
Requirements				BHI:	
			Ref:	Date:	
				End Point Revision number:	

## 221-B Cell 40

Task Type: (TT-2) Radiation Fields					
Number	Objective		End Point	EP Closure	
04.47.09 Comply with Regulations & Requirements		A	with Hanford Site Radiological Control	ВWНС:	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
,				End Point Revision number:	

## 221-B Cell 40

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
04.47.08 Comply with Regulations &	A	with Hanford Site Radiological Control	ВWНС:		
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
				End Point Revision number:	

## 221-B Cell 40

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.47.01	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	
			Best Effort methodology.	BHI:	
		Ref:	Date:		
				End Point Revision number:	
04.47.07	Comply with Regulations &	* •	dangerous, and mixed waste conducted in	BWHC:	
Requirements			accordance with approved waste handling procedures.	BHI:	
		Ref:	Date:		
				End Point Revision number:	

## 221-B Cell 40

	Task Type	e: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
04.47.05	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	BWHC:
Workers - Reduce Cost		access.	BHI:	
		Ref:	Date:	
				End Point Revision number:
04.47.06	Protect Public & Environment	*	Isolate seal door between cell 40 and WESF.	ВWНС:
			Ref:	BHI:
				Date:
			-	End Point Revision number:

## 221-B Cell 40

	Task Type	. (		
Number	Objective		End Point	EP Closure
04.47.02	Comply with Regulations &	A	Document space dose rates and contamination levels in the final	ВWНС:
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:
			#5) for inclusion in the turnover package.  Ref:	Date:
				End Point Revision number: 2
04.47.03	Comply with Regulations &	A •	Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	ВWНС:
	Requirements			BHI:
				Date:
				End Point Revision number:
04.47.04	Facilitate Decommissioning	work plans/packages. Description/photos	ВWHС:	
			of Case 2 spaces.  Ref:	BHI:
				Date:
			End Point Revision number:	

### 221-B Cell 5 Vessels

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
04.32.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.	ВWНС:	
	Requirements			BHI:	
			Ref:	Date:	
				End Point Revision number:	
				0	
04.32.02	Comply with Regulations & Requirements	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	
		nents		BHI:	
			Ref:	Date:	
				End Point Revision number:	

### 221-B Cell 6 Vessels

Number	Objective		End Point		EP Closure	
04.33.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:	Signed	
	Requirements			ВНІ:	Signed	
	e e		Ref:	Date:	4/11/97	
					End Poin	Revision number:
					0	
04.33.02	Comply with Regulations &	Regulations & minimize the residual material using	minimize the residual material using existing equipment configuration.	BWHC:	Signed	
	Requirements			BHI:	Signed	
				Date:	4/11/97	
				End Poin	Revision number:	
					0	

### 221-B Cell 7 Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.34.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
	Requirements			BHI:	Signed
			Ref:	Date:	4/11/97
				End Poin	t Revision number:
					0
04.34.02	Comply with Regulations & Requirements	* •	existing equipment configuration.	BWHC:	Signed
		- I Invisting addinated contiduration		BHI:	Signed
				Date:	4/11/97
			End Poin	t Revision number:	
					0

### 221-B Cell 8 Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.35.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	4/11/97
				End Point	Revision number:
Re	Comply with Regulations & Requirements	* •	* Verify identified requirements as defined in the Vessel Listing Table have been met.  **Ref:	BWHC:	Signed
				BHI:	Signed
				Date:	4/11/97
				End Point	Revision number:

### 221-B Cell 9 Vessels

Number	Objective		End Point	EP Closure
04.36.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	BHI:
			Ref:	Date:
				End Point Revision number:
04.36.02	Comply with Regulations & Requirements	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
			Ref:	ВНІ:
				Date:

# 221-B Facility Exterior

Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure
04.37.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.37.02	Facilitate S&M - Protect	*	* A limited structural analysis will be conducted to verify structural integrity for	BWHC:
	Workers - Reduce Cost		a minimum of five (5) years.	BHI:
			Ref:	Date:
	. *			End Point Revision number:

# 221-B Facility Exterior

Task Type: (TT-2) Radiation Fields						
Number	Objective		End Point	EP Closure		
04.37.03	Comply with Regulations &	A	Post radiological conditions on R-doors in accordance with Hanford Site Radiological	ВWНС:		
	Requirements	Control Manua	Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:		
			Ref:	Date:		
				End Point Revision number:		
				0		

# 221-B Facility Exterior

Number	Objective		End Point	EP Closure
04.37.04	Protect Public & Environment	*	Include survey requirements as part of the turnover package to verify containment of	ВWHC:
			radioactive contamination.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
04.37.05	Facilitate S&M - Protect	*	The general space removable contamination is below minimum posting	ВWHС:
b	Workers - Reduce Cost	Workers - C Reduce Cost	levels except the east face of building is a CA.  Ref:	BHI:
				Date:
				End Point Revision number.
04.37.06	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers -	* Remove/stabilize contamination between doors 5 and 7.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.37.07	Comply with	Comply with Regulations & Requirements	1 4 h Marailite and an inches	ВWНС:
			doors 3,5,7,11,13,15,17 &19 in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).  Ref:	BHI:
				Date:
				End Point Revision number:
				0

# 221-B Facility Exterior

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
04.37.08	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
Regulation		egulations & day	* Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures.  **Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures.	ВWНС:
	Requirements			BHI:
				Date:
	. ,			End Point Revision number:

# 221-B Facility Exterior

Number	Objective		End Point	EP Closure
04.37.10	Protect Public & Environment	*	Ensure expansion joints maintain facility containment.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number
04.37.11	Protect Public & Environment	*	Secure/lock/seal R1, 3, 5, 7, 9, 11, 13, 15, and 17 canyon access doors.	
				ВНІ:
			Ref:	Date:
				End Point Revision number.
04.37.12	Protect Public & Environment	Environment enviro	environment to protect from vermin	ВWНС:
			intrusion.	BHI:
			Ref:	Date:
			End Point Revision number.	
		Protect to prevent unintentional/unauthorized access.	ВWНС:	
	Workers - Reduce Cost		access.	BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Facility Exterior

	Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point		EP Closure	
04.37.14	Facilitate S&M - Protect	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.	BWHC:	Signed	
	Workers - Reduce Cost			BHI:	Signed	
			Ref:	Date:	10/21/96	
				End Point	t Revision number:	
					0	

# 221-B Facility Exterior

	Task Type: (TT-7) Refurbish or Install				
Number	Objective		End Point	EP Closure	
04.37.15	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	ВWНС:	
	Workers - Reduce Cost		4	BHI:	
			Ref:	Date:	
				End Point Revision number:	

### 221-B Facility Exterior

Visit of Objective End Doint ED Classes						
Vumber	Objective		End Point	EP Closure		
04.37.16	Facilitate S&M - Protect	*	Verify ancillary building identifications are clearly posted on the exterior of the	ВWНС:		
	Workers - Reduce Cost		building.	BHI:		
			Ref:	Date:		
				End Point Revision number:		
				0		
04.37.17	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:		
. •	Workers - Reduce Cost		package.	ВНІ:		
			Ref:	Date:		
				End Point Revision number:		
4.37.18	Facilitate Decommissioning	*	work plans/packages. Roof Studies	ВWНС:		
			Structural Studies	ВНІ:		
			Ref:	Date:		
				End Point Revision number:		
04.37.19	Comply with Regulations &	A Document amount and location of remaining hazardous	remaining hazardous	ВWНС:		
	Requirements	•	substances/dangerous wastes.	BHI:		
			Ref:	Date:		
			10,	End Point Revision number:		

# 221-B Facility Exterior

Task Type: (TT-8) Document & Label					
Number	Objective		End Point	EP Closure	
. R	Comply with Regulations & Requirements	A	Document space dose rates and contamination levels in the final	ВWНС:	
		•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:	
			#5) for inclusion in the turnover package.  Ref:	Date:	
				End Point Revision number:	

# 221-B Operating Gallery Active Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.53.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
Requirements				BHI:
	90,3-0		Ref:	Date:
				End Point Revision number: 2B
04.53.02	Comply with Regulations &	*	minimize the residual material using	ВИНС:
7,119	Requirements		existing equipment configuration.	BHI:
			Ref:	Date:
				End Point Revision number: 2B

# THIS PAGE INTENTIONALLY LEFT BLANK

### 221-B RR Tunnel

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
04.38.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.38.02 Comply with Regulations & Requirements		A	Conduct asbestos assessment and contain friable material to eliminate personnel	
		exposure.	BHI:	
			Ref:	Date:
				End Point Revision number:

### 221-B RR Tunnel

Task Type: (TT-2) Radiation Fields				
Number	Objective		End Point	EP Closure
04.38.03 Comply with Regulations & Requirements		A	A Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	ВWНС:
	Requirements			BHI:
		Ref:	Date:	
				End Point Revision number:

### 221-B RR Tunnel

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
0	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
				End Point Revision number:	
				. 0	

### 221-B RR Tunnel

	Task Type	. (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.38.05	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number.
	Comply with Regulations &	egulations & fire extinguishers.	ВWНС:	
	Requirements		BHI:  Date:	BHI:
				Date:
				End Point Revision number:
04.38.07	Comply with Regulations & Requirements	Regulations & dangerous, and mixed waste conducted in	ВWНС:	
				BHI:
				Date:
				End Point Revision number:

### 221-B RR Tunnel

Number Objective End Point EP Closure					
Number	Objective		End Point	EP Closure	
04.38.08	Protect Public & Environment	*	Isolate/seal vertical door.	ВWHС:	
				BHI:	
			Ref:	Date:	
				End Point Revision number.	
				0	
04.38.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:	
			intrusion.	BHI: Date:	
			Ref:		
				End Point Revision number	
4.38.10	Facilitate S&M -	-	Cap/plug/blank/isolate sample lines to	BWHC:	
T.30.10	Protect Workers - Reduce Cost	2904-EA.		Birric.	
				BHI:	
			Ref:	Date:	
			nej.	End Point Revision number.	
				O O	
04.38.11	Facilitate S&M -	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized		
	Protect		access.		
	Workers - Reduce Cost			BHI:	
			Ref:	Date:	
				End Point Revision number.	
		1		0	

### 221-B RR Tunnel

Task Type: (TT-5) Isolate & Contain				
Number	Objective		End Point	EP Closure
04.38.12 Facilitate S&M - Protect Workers - Reduce Cost		*	Isolate/seal drain lines to TK-10-1.	ВWНС:
			ВНІ:	
			Ref:	Date:
				End Point Revision number:

### 221-B RR Tunnel

	Task Type	• (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
04.38.13	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:
			package.	BHI:
			Ref:	Date:
				End Point Revision number 0
04.38.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	ВWНС:
			of Case 2 spaces.	BHI:
			Ref:	Date:
				End Point Revision number.
4.38.15	Comply with Regulations & Requirements	A	A Document amount and location of remaining hazardous substances/dangerous wastes.	BWHC:
		•		BHI:
			Ref:	Date:
	/			End Point Revision number.
04.38.16	Comply with Regulations &	A	Document space dose rates and contamination levels in the final	ВWНС:
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.  Ref:	BHI:
				Date:
				End Point Revision number.

# 221-B SWP Change Room Lobby

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
04.39.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.39.02	Comply with Regulations &		Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC:
	Requirements		exposure.	ВНІ:
·			Ref:	Date:
				End Point Revision number:
04.39.03	Comply with Regulations &	* * 1 / 1   1   1   1   1   1   1   1   1	the state of the s	
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B SWP Change Room Lobby

Task Type: (TT-3) Contamination				
Number	Objective		End Point	EP Closure
04.39.04	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	
			Ref:	Date:
				End Point Revision number:
		1		0

# 221-B SWP Change Room Lobby

	Task Type	- (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.39.05	Facilitate Decommissioning	1	Remove cabinets.	BWHC:
				BHI:
			Ref:	Date:
		,		End Point Revision number:
	Facilitate Decommissioning	ecommissioning   mat	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.	BWHC:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.39.07	1 3	Regulations &   fire extinguishers.	BWHC:	
	Requirements		Ref:	BHI:
				Date:
				End Point Revision number:

# 221-B SWP Change Room Lobby

		,	TT- 5) Isolate & Contain	ED GI
Number	Objective		End Point	EP Closure
04.39.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	BWHC:
			intrusion.	BHI:
			Ref:	Date:
				End Point Revision number
04.39.09	Facilitate S&M - Protect	*	Isolate decon room sink and shower drains.	
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number.
)4.39.10	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers -	Isolate/plug floor drains.	ВWHС:
				BHI:
	Rodado Cost		Ref:	Date:
			atoj.	End Point Revision number
04.39.11	Facilitate S&M - Protect	to prevent unintentional/unauthorized access.	ВWНС:	
	Workers - Reduce Cost		access.	BHI:
			Ref:	Date:
				End Point Revision number

# 221-B SWP Change Room Lobby

Number	Objective		End Point	EP Closure
04.39.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:
				ВНІ:
	·		Ref:	Date:
				End Point Revision number:
	Comply with Regulations &	A	A Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	ВWНС:
	Requirements			BHI:
				Date:
				End Point Revision number:
04.39.14 Comply with Regulations & Requirements		contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.	ВWНС:	
			Hanford Site Radiological Control Manual	BHI:
			#5) for inclusion in the turnover package.  Ref:	Date:
				End Point Revision number:

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
04.40.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:	
				BHI:	
			Ref:	Date:	
				End Point Revision number:	
04.40.02	Comply with Regulations & Requirements	Regulations &	Conduct asbestos assessment and contain friable material to eliminate personnel exposure.  Ref:	BWHC:	
				BHI:	
				Date:	
				End Point Revision number:	
	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	ВWНС:	
	Requirements	Requirements	Ref:	BHI:	
				Date:	
					End Point Revision number:

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Task Type: (TT-2) Radiation Fields				
Number	Objective		End Point	EP Closure
Regulation	Comply with Regulations &	ations &   ' with Hanford Site Radiological Control	ВWНС:	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).  Ref:	BHI:
				Date:
				End Point Revision number:

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Task Type: (TT-3) Contamination				
Number	Objective		End Point	EP Closure
Re	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:
			Ref:	Date:
				End Point Revision number:

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Number	Objective		End Point	EP Closure
04.40.06		1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:
	Decommissioning		Best Effort methodology.	ВНІ:
			Ref:	Date:
				End Point Revision number
04.40.07	Comply with Regulations & Requirements	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures.  Ref:	BWHC:
				BHI:
				Date:
				End Point Revision number:

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Number	Objective		End Point	EP Closure
04.40.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.40.09	Protect Public & Environment	*	* Isolate/seal potential pathways to the environment to protect from vermin intrusion.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:
4.40.10	Facilitate S&M - Protect Workers - Reduce Cost		Protect to prevent unintentional/unauthorized	ВWНС:
		acce	access.	BHI:
			Ref:	Date:
			End Point Revision number:	

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits

Number	Objective		End Point	EP Closure
04.40.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:
			of Case 2 spaces.	ВНІ:
			Ref:	Date:
				End Point Revision number.
a Palkeria and				0
04.40.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:
			package.	BHI:
			Ref:	Date:
				End Point Revision number.
04.40.13	Comply with Regulations & Requirements	lations &	Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:
04.40.14	Comply with	gulations &	1 4 h language and a set to the first the firs	ВWНС:
	Requirements		radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. <i>Ref</i> :	BHI:
				Date:
				End Point Revision number.
				0

### 221B-FP-F-22-9 A/Vessel Vent Filter Pits Vessels

	Task Typ	e: (	TT-4) Waste	No. 7 - 155 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Number	Objective		End Point	EP Closure
04.48.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
		1	Ref:	Date:
				End Point Revision number:
04.48.02	Comply with Regulations & Requirements	Regulations &	Flush/drain chemical addition piping to minimize the residual material using existing equipment configuration.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:

### 221B-FP-F-22-9 B/Vessel Vent Filter Pits

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
04.49.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
			Ref:	Date:
	400000000000000000000000000000000000000			End Point Revision number:
04.49.02	Comply with Regulations & Requirements	Regulations &	Conduct asbestos assessment and contain friable material to eliminate personnel exposure.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:
04.49.03	Comply with Regulations & Requirements			ВWНС:
			Ref:	BHI:
				Date:
				End Point Revision number:

### 221B-FP-F-22-9 B/Vessel Vent Filter Pits

Task Type: (TT-2) Radiation Fields					
Number	Objective		End Point	EP Closure	
04.49.05	Facilitate Decommissioning	1	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
			Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
				End Point Revision number:	

### 221B-FP-F-22-9 B/Vessel Vent Filter Pits

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
	Facilitate Decommissioning	1	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWHC:	
			Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).  Ref:	BHI:	
		Ref:		Date:	
				End Point Revision number:	

## 221B-FP-F-22-9 B/Vessel Vent Filter Pits

0	Task Type	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.49.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
04.49.07	Comply with Regulations &	* •	dangerous, and mixed waste conducted in	BWHC:
	Requirements		accordance with approved waste handling procedures.	BHI:
	,		Ref:	Date:
				End Point Revision number:

#### 221B-FP-F-22-9 B/Vessel Vent Filter Pits

	Task Type	e: (	TT-5) Isolate & Contain	
Number	Objective		End Point	EP Closure
04.49.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	ВWНС:
				ВНІ:
			Ref:	Date:
				End Point Revision number:
04.49.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:
			intrusion.	BHI:
			Ref:	Date:
				End Point Revision number:
04.49.10	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	ВWНС:
	Workers - Reduce Cost		access.	BHI:
			Ref:	Date:
	- 1			End Point Revision number:

#### 221B-FP-F-22-9 B/Vessel Vent Filter Pits

	Task Type	: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
04.49.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	ВWНС:
			of Case 2 spaces.	BHI:
			Ref:	End Point Revision number:  2 BWHC:  BHI:  Date:  End Point Revision number:  2 BWHC:
04.49.12	Facilitate Decommissioning	раскаде.	hazards for inclusion in the turnover	ВWНС:
Becomi			package.	BHI:
			Ref:	Date:
				-
4.49.13	Comply with Regulations & Requirements	A	Document amount and location of remaining hazardous substances/dangerous wastes.	ВWНС:
		•		BHI:
			Ref:	Date:
				End Point Revision number:
04.49.14	Comply with Regulations & Requirements	quirements (a) contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual	ВWНС:	
				BHI:
				Date:
				End Point Revision number:

## 221B-FP-F-22-9 B/Vessel Vent Filter Pits Vessels

Case: (6) System - Abandoned in Place

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
04.50.01	Comply with Regulations &		Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
			Titely.	End Point Revision number:
04.50.02	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	BHI:
			Ref:	Date:
				End Point Revision number:

#### 221B-FP-F-22-9 C/Vessel Vent Filter Pits

	Task Type	,		
Number	Objective		End Point	EP Closure
04.51.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
04.51.02 Comply with Regulations & Requirements		egulations &   1   friable material to eliminate personnel	ВWНС:	
			exposure.	BHI:
			Ref:	Date:
				End Point Revision number:
04.51.03	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	BWHC:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

## 221B-FP-F-22-9 C/Vessel Vent Filter Pits

Task Type: (TT-2) Radiation Fields					
Number	Objective		End Point	EP Closure	
04.51.05	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:	
				End Point Revision number:	

## 221B-FP-F-22-9 C/Vessel Vent Filter Pits

	Task Typ	e: (	TT-3) Contamination	
Number	Objective		End Point	EP Closure
04.51.04	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:
			Ref:	Date:
				End Point Revision number:

#### 221B-FP-F-22-9 C/Vessel Vent Filter Pits

	Task Type	e: (	TT-4) Waste	·
Number	Objective		End Point	EP Closure
04.51.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
04.51.07	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:
	Requirements		accordance with approved waste handling procedures.	BWHC: BHI:
			Ref:	Date:
				End Point Revision number:

#### 221B-FP-F-22-9 C/Vessel Vent Filter Pits

7 7	Task Type	_		ED Cl
Vumber	Objective		End Point	EP Closure
04.51.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number
04.51.09	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:
			intrusion.	BWHC:  BHI:  Date:  End Point Revision number:
			Ref:	
				End Point Revision number
4.51.10	Facilitate S&M - Protect	Protect Workers - to prevent unintentional/unauthorized access.	ВWНС:	
			Ref:	ВНІ:
				Date:
				End Point Revision number

## 221B-FP-F-22-9 C/Vessel Vent Filter Pits

	Task Type	. (		En al
Number	Objective		End Point	EP Closure
04.51.11 D	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos of Case 2 spaces.	ВWНС:
			or Gase 2 spaces.	BHI:
			Ref:	Date:
				BWHC:  BHI:  Date:  End Point Revision number: 2  BWHC:  BHI:
				2
04.51.12	Facilitate Decommissioning	ning * Document identified area industrial hazards for inclusion in the turnover	ВWНС:	
			package.	BHI:
			Ref:	Date:
				End Point Revision number:
				2
04.51.13	Comply with Regulations &	1 4 4	Document amount and location of remaining hazardous substances/dangerous wastes.	ВWНС:
	Requirements		Substances/dangerous wastes.	BHI:
			Ref:	Date:
				End Point Revision number:
04.51.14	1 2	egulations &	contamination levels in the final	ВWНС:
	Requirements		radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package. Ref:	ВНІ:
				Date:
				End Point Revision number:

#### 221B-FP-F-22-9 C/Vessel Vent Filter Pits Vessels

Case: (6) System - Abandoned in Place

Number	Objective		End Point	EP Closure
04.52.01	Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:
04.52.02	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	equipment configuration.  BHI:
			Ref:	Date:
				End Point Revision number:

## 221B-SMP-R/Inactive Utility Pit

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
04.41.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 9/30/97
				End Point Revision number
04.41.02 Comply with Regulations & Requirements		egulations & friable material to eliminate personnel	BWHC: Signed	
			Ref:	BHI: Signed
				Date: 10/13/97
				End Point Revision number
04.41.03 Comply with Regulations & Requirements		BWHC: Signed		
				BHI: Signed
			Date: 10/13/97	
				End Point Revision number

## 221B-SMP-R/Inactive Utility Pit

Task Type: (TT-2) Radiation Fields						
Number	Objective		End Point		EP Closure	
Regulations & Requirements  Requirements  With Hanford Site Manual (HSRCM-(Ref EPTI #4)).		A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed	
	Requirements	Manual	Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed	
	Ref:	Date:	9/16/97			
				End Poin	t Revision number:	

## 221B-SMP-R/Inactive Utility Pit

Task Type: (TT-3) Contamination						
Number	Objective		End Point		EP Closure	
04.41.04 Comply with Regulations & Requirements		A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed	
			Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed	
		Ref:	Date:	9/16/97		
				End Poin	t Revision number:	

## 221B-SMP-R/Inactive Utility Pit

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.41.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	9/30/97
				End Poin	t Revision number:
					0
04.41.07	1 3	dangerous, and mixed waste conducted in accordance with approved waste handling procedures.	BWHC:	Signed	
	Requirements			ВНІ:	Signed
			Ref:	Date:	10/10/97
				End Poin	t Revision number:
					0

# 221B-SMP-R/Inactive Utility Pit

	Task Type	e: (	(TT-5) Isolate & Contain		
Number	Objective		End Point		EP Closure
04.41.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	BWHC:	Signed
				ВНІ:	Signed
	·		Ref:	Date:	9/30/97
				End Poin	t Revision number:
04.41.09		nvironment environment to protect from vermin	BWHC:	Signed	
		intrusion.	BHI:	Signed	
			Ref:	Date:	9/30/97
				End Point	Revision number:
04.41.10	Facilitate S&M - Protect	*	Place postings at entrances and lock doors to prevent unintentional/unauthorized	ВWНС:	Signed
Workers - Reduce Cost		access.	BHI:	Signed	
	Ref:	Ref:	Date:	9/30/97	
				End Point	Revision number:

## 221B-SMP-R/Inactive Utility Pit

Number	Objective		End Point		EP Closure
04.41.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed
			of Case 2 spaces.	BHI:	Signed
			Ref:	Date:	10/20/97
				End Poin	t Revision number
					0
04.41.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed
			package.	BHI:	Signed
	-		Ref:	Date:	10/13/97
			End Poin	t Revision number	
4.41.13	Comply with Regulations &	remaining hazardous substances/dangerous wastes.	ВWНС:	Signed	
	Requirements		substances/dangerous wastes.	BHI:	Signed
			Ref:	Date:	10/13/97
				End Poin	t Revision number
O4.41.14 Comply with Regulations & Requirements	Regulations &   Contamination levels in the final	BWHC:	Signed		
			Hanford Site Radiological Control Manual	BHI:	Signed
			Date:	9/16/97	
				End Poin	t Revision number
•					0

## 221BB-VP-01/Never Used Steam Condensate Pit

	Task Type				77 61
Number	Objective		End Point		EP Closure
04.42.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	7/9/97
				End Poin	t Revision number:
04.42.02	1 2	legulations & resolve any identified issues.	Conduct confined space assessment and resolve any identified issues.	BWHC:	Signed
Requirements				BHI:	Signed
			Ref:	Date:	7/16/97
				End Poin	t Revision number:
04.42.03		Comply with Regulations & Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC:	Signed	
Requirements			exposure.	BHI:	Signed
		Ref:	Ref:	Date:	7/16/97
				End Poin	t Revision number:

#### 221BB-VP-01/Never Used Steam Condensate Pit

Task Type: (TT-2) Radiation Fields							
Objective		End Point		EP Closure			
Comply with Regulations &	gulations & With Hanford Site Radiological Control	BWHC:	Signed				
Requirements			BHI:	Signed			
P <sub>a</sub> f.	Ref	Date:	8/14/97				
		Trey.	End Poin	t Revision number:			
	Objective Comply with Regulations &	Objective  Comply with Regulations &	Comply with Regulations & Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2	Comply with Regulations & Requirements  A Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).  BHI:  Date:			

## 221BB-VP-01/Never Used Steam Condensate Pit

Task Type: (TT-3) Contamination						
Number	Objective		End Point		EP Closure	
Reg	Comply with Regulations &		Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed	
	Requirements	I IManual (HSRCM-1) Chanter / Rev /	BHI:	Signed		
	Ref:	Date:	8/14/97			
				End Poin	t Revision number:	

## 221BB-VP-01/Never Used Steam Condensate Pit

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.42.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	Signed
			Best Effort methodology.	ВНІ:	Signed
		Ref:		7/9/97	
				End Poin	t Revision number:
					0
04.42.07 Comply with Regulations & Requirements		*  Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed	
	Requirements		accordance with approved waste handling procedures.	BHI:	Signed
			Ref:	Date:	7/30/97
				End Poin	t Revision number:

#### 221BB-VP-01/Never Used Steam Condensate Pit

			TT- 5) Isolate & Contain		ED CI
Number	Objective		End Point		EP Closure
04.42.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	7/30/97
				End Point	Revision number.
04.42.09	.42.09 Protect Public & Environment	Environment   environment to protect from vermin	BWHC:	Signed	
		intrusion.	BHI:	Signed	
			Ref:	Date:	7/30/97
				End Point	Revision number.
04.42.10		acilitate S&M - Place postings at entrances and lock door to prevent unintentional/unauthorized		ВWНС:	Signed
Workers - Reduce Cost		access.	BHI:	Signed	
			Ref:	Date:	7/30/97
				End Point	Revision number:

#### 221BB-VP-01/Never Used Steam Condensate Pit

Number	Objective		End Point		EP Closure
04.42.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	Signed
			package.	BHI:	Signed
			Ref:	Date:	7/16/97
				End Poin	t Revision number: 0
04.42.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed
		of Case 2 spaces.	BHI:	Signed	
	Ref:	Date:	8/14/97		
			End Poin	t Revision number:	
J4.42.13	Comply with Regulations &	Regulations & Requirements  A Requirements  A Contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI)	BWHC:	Signed	
	Requirements		Hanford Site Radiological Control Manual	BHI:	Signed
			#5) for inclusion in the turnover package.	Date:	8/14/97
				End Poin	Revision number:
04.42.14 Comply with Regulations & Requirements	Regulations &   remaining hazardous	BWHC:	Signed		
		A ISIINSIANCES/MANMERNIIS WASIES	ВНІ:	Signed	
			Date:	7/16/97	
				End Poin	Revision number:
					0

# 221BC-VP-01/Inactive Utility Pit

	Task Type	. 1		
Number	Objective		End Point	EP Closure
04.43.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 8/18/97
				End Point Revision number:
04.43.02	04.43.02 Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	BWHC: Signed
Requirements			BHI: Signed	
			Ref:	Date: 10/13/97
				End Point Revision number:
				0
04.43.03	Regulations &   A friable material to eliminate pers	Conduct asbestos assessment and contain friable material to eliminate personnel	BWHC: Signed	
Requirements		exposure.	BHI: Signed	
			Ref:	Date: 10/13/97
				End Point Revision number:

## 221BC-VP-01/Inactive Utility Pit

Task Type: (TT-2) Radiation Fields							
Number	Objective		End Point		EP Closure		
04.43.04 Comply with Regulations & Requirements	* "	A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed		
		Manual (HSPCM-1) Chanter 2	Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed		
		Ref:	Date:	8/29/97			
				End Poin	t Revision number:		

# 221BC-VP-01/Inactive Utility Pit

Task Type: (TT-3) Contamination							
Number	Objective		End Point		EP Closure		
04.43.05 Comply with Regulations & Requirements		A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed		
		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed			
		Ref:	Date:	8/29/97			
1 24				End Poin	t Revision number:		

## 221BC-VP-01/Inactive Utility Pit

	Task Type	2: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.43.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	Signed
			Best Effort methodology.	BHI:	Signed
			Ref:	Date:	8/18/97
				End Poin	t Revision number:
					0
04.43.07	Comply with Regulations &	* •	dangerous, and mixed waste conducted in	BWHC:	Signed
Requirements		accordance with approved waste handling procedures.	BHI:	Signed	
			Ref:	Date:	8/29/97
				End Poin	t Revision number:

## 221BC-VP-01/Inactive Utility Pit

Number	Objective		End Point	EP Closure	
04.43.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	BWHC: Signed	
	Livioimient			BHI: Signed	
			Ref:	Date: 9/30/97	
				End Point Revision number:	
04.43.09 Protect Public &	environment lenvironment to protect from vermin	BWHC: Signed			
			intrusion.	BHI: Signed	
			Ref:	Ref:	Date: 8/18/97
				End Point Revision number:	
04.43.10	Facilitate S&M - Protect	to provent unintentional/unauthorized		BWHC: Signed	
Workers - Reduce Cost		access.	BHI: Signed		
		Ref:	Ref:	Date: 9/30/97	
				End Point Revision number:	

## 221BC-VP-01/Inactive Utility Pit

Number	Objective		End Point		EP Closure	
04.43.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed	
			package.	BHI:	Signed	
			Ref:	Date:	10/13/97	
				End Poin	t Revision number:	
04.43.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed	
		of Case 2 spaces.	ВНІ:	Signed		
		Ref:	Date:	10/20/97		
				End Poin	t Revision number:	
4.43.13	Comply with Regulations &	egulations &   Contamination levels in the final	ВWНС:	Signed		
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:	Signed	
		#5) for inclusion in the turnover pack	#5) for inclusion in the turnover package.  Ref:	Date:	8/29/97	
				End Poin	Revision number:	
Regulations	Comply with Regulations &	Regulations & remaining hazardous	Regulations &   remaining hazardous	remaining hazardous	ВWНС:	Signed
	Requirements		BHI:	Signed		
			Date:	10/13/97		
				End Poin	Revision number:	

# 221BC-VP-02/Inactive Utility Pit

Number	Objective		End Point		EP Closure
04.44.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	9/30/97
				End Poin	t Revision number:
04.44.02 Comply with Regulations & Requirements	A h language of the second of	BWHC:	Signed		
	Requirements	ts	BHI:	Signed	
			Ref:	Date:	10/13/97
				End Poin	t Revision number.
04.44.03	Comply with Regulations &	egulations & friable material to eliminate personnel		BWHC:	Signed
	Requirements		exposure.	BHI:	Signed
	·		Date:	10/13/97	
			End Poin	t Revision number:	

## 221BC-VP-02/Inactive Utility Pit

Task Type: (TT-2) Radiation Fields						
Number	Objective		End Point		EP Closure	
04.44.05 Comply with Regulations & Requirements		A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed	
		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	ВНІ:	Signed		
		Ref:	Date:	10/22/97		
				End Poin	t Revision number:	
					0	

## 221BC-VP-02/Inactive Utility Pit

Task Type: (TT-3) Contamination							
Number	Objective		End Point		EP Closure		
Regulations	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	Signed		
	Requirements	• IManual (HSRC:M-1) Chapter 2 Re		ВНІ:	Signed		
			Ref:	Date:	10/22/97		
				End Poin	t Revision number:		
	den				0		

## 221BC-VP-02/Inactive Utility Pit

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
04.44.06	Facilitate Decommissioning	V	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed
			Best Effort methodology.	BHI:	Signed
		Ref:	Date:	9/30/97	
				End Poin	t Revision number:
					0
04.44.07	Comply with Regulations &	* Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC:	Signed	
	Requirements		accordance with approved waste handling procedures.	BHI:	Signed
			Ref:	Date:	10/10/97
				End Poin	t Revision number:
					0

## 221BC-VP-02/Inactive Utility Pit

Number	Objective		End Point		EP Closure	
04.44.08	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	BWHC:	Signed	
				BHI:	Signed	
			Ref:	Date:	10/20/97	
				End Point	Revision number:	
04.44.09 Protect Public & Environment	environment to protect from vermin	BWHC:	Signed			
			intrusion.	BHI:	Signed	
				Ref:	Date:	9/30/97
				End Point	Revision number:	
04.44.10 Facilitate S&M - Protect Workers - Reduce Cost		to provent unintentional/unauthorized	· ·	BWHC:	Signed	
		access.	BHI:	Signed		
		Ref:	Ref:	Date:	10/10/97	
				End Point	Revision number:	

## 221BC-VP-02/Inactive Utility Pit

Number	Objective		End Point		EP Closure
04.44.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	
			of Case 2 spaces.	BHI:	· · · · · · · · · · · · · · · · · · ·
			Ref:	Date:	
				End Point I	Revision number:
04.44.12	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	Signed
		package.	раскаде.	BHI:	Signed
		Ref:	Date:	10/13/97	
				End Point I	Revision number:
4.44.13	Comply with Regulations &	egulations &   Contamination levels in the final	contamination levels in the final	BWHC:	Signed
	Requirements	•	<ul> <li>radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI</li> </ul>	BHI:	Signed
		#	#5) for inclusion in the turnover package.  Ref:	Date:	10/22/97
	,			End Point I	Revision number: O
04.44.14	Comply with Regulations &	Regulations & remaining hazardous	remaining hazardous	ВWНС:	Signed
	Requirements		substances/dangerous wastes.	BHI:	Signed
			Ref:	Date:	10/13/97
				End Point F	Revision number:
					0

# Vessel Vent System in 221B-FP-F-22-9A&B

Case: (6) System - Abandoned in Place

Number	Objective		End Point	EP Closure
04.45.01	Facilitate S&M - Protect	*	Isolate/seal sample line.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
04.45.02	Facilitate S&M - Protect	*	Remove HEPA filter(s) & isolate vessel vent line.	ВWНС:
	Workers - Reduce Cost			BHI:
	·	-	Ref:	Date:
				End Point Revision number:

## Vessel Vent System in 221B-FP-F-22-9A&B

	Task Type	: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
04.45.03	Facilitate S&M - Protect	*	Label Abandoned in Place system.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	. Date:
				End Point Revision number:
04.45.04	04.45.04 Facilitate Decommissioning	7.0	Turnover package items: Deactivation work plans/packages.	ВWНС:
				BHI:
		Ref:	Ref:	Date:
	-		End Point Revision number:	
)4.45.05	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC:
	Requirements		substances/dangerous wastes.	BHI:
			Date:	
				End Point Revision number:

#### **WESF** Isolation

Number	Objective		End Point	EP Closure
04.46.01	Facilitate S&M - Protect	*	Isolate/blank/seal lines H-309 (Nitric Acid), H-310 (Sodium Hydroxide), 111 (Demin	ВWНС:
	Workers - Reduce Cost		Water), 620 (Sanitary Water), and 810 (Instrument Air) leading to WESF.	BHI:
			Ref:	Date:
				End Point Revision number:
04.46.02	The second secon	Protect 220, 219, 247, 215, 214, and 209 in	ВWНС:	
Workers - Reduce Cost		BHI:		
		Ref:	Date:	
			End Point Revision number:	
04.46.03	Facilitate S&M - Protect	*	Isolate/seal fire door #232 from B-Plant operating gallery to WESF.	ВWНС:
Workers - Reduce Cost	Workers -		BHI:	
		Ref:	Date:	
				End Point Revision number:

# **221-B Operating Gallery**

221-B Operating Gallery (2)	337
221-B Operating Gallery List A Vessels (6)	342
221-B Operating Gallery List B Vessels (6)	343
221-B Operating Gallery Systems (6)	344

AREA ACCEPTANCE					
ВНІ	DATE	BWHC	DATE		
ВНІ	DATE	-			

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

## 221-B Operating Gallery

Number	Objective		End Point	EP Closure
05.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
			·	BHI:
			Ref:	Date:
				End Point Revision number:
05.01.02	Comply with Regulations &	A	Conduct asbestos assessment and contain friable material to eliminate personnel	
	Requirements		exposure.	BHI:
			Ref:	Date:
				End Point Revision number:
5.01.03	Comply with Regulations &	A	Review remaining hazards and update the hazard communication program.	ВWHС:
Requirements			BHI:	
			Ref:	Date:
	6.500			End Point Revision number:
05.01.15	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	ВWНС:
Requirements				BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Operating Gallery

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
05.01.04	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:		
			Ref:	Date:	
		-		End Point Revision number:	

#### 221-B Operating Gallery

	Task Type	. (		
Number	Objective		End Point	EP Closure
05.01.05	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
	·			End Point Revision number:
05.01.06	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	ВWНС:
	Requirements			BHI:
			Ref:	Date:
			End Point Revision number:	
)5.01.07	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:
	Requirements		accordance with approved waste handling procedures.	BHI:
			Ref:	Date:
				End Point Revision number:

## 221-B Operating Gallery

Number	Objective		End Point	EP Closure
05.01.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:
			intrusion.	ВНІ:
			Ref:	Date:
				End Point Revision number.
05.01.09	Facilitate S&M - Protect		* Place postings at entrances and lock doors to prevent unintentional/unauthorized	
	Workers - Reduce Cost		access.	BHI:
	Ref:	Ref:	Date:	
			End Point Revision number:	
05.01.10	Facilitate S&M - Protect	*	Isolate/plug floor drains.	ВWНС:
	Workers - Reduce Cost	Workers -		BHI:
Albades 6550		Ref:	Date:	
			End Point Revision number:	

## 221-B Operating Gallery

Number	Objective		End Point	EP Closure
05.01.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package.	ВWНС:
			раскаде.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
05.01.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	ВWНС:
		of Case 2 spaces.  Ref:	or case 2 spaces.	BHI:
			Ref:	Date:
				End Point Revision number.
05.01.13	Comply with	Comply with A Docur	Document amount and location of	BWHC:
33.01.13	Regulations &	A	remaining hazardous	Divite.
	Requirements	•		BHI:
	Paf.	Ref:	Date:	
		rej.	rtej.	End Point Revision number.
				0
05.01.14	1 3	Regulations & Requirements   Contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manual Control Manua	contamination levels in the final	ВWНС:
_	_		radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:
			#5) for inclusion in the turnover package.  Ref:	Date:
				End Point Revision number.
				0

## 221-B Operating Gallery List A Vessels

	Task Typ	. (			
Number	Objective		End Point		EP Closure
05.02.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
	Requirements		existing equipment configuration.	BHI:	Signed
		Ref:	Date:	7/30/97	
				End Poin	t Revision number.
					0
05.02.02	5.02.02 Comply with Regulations &	* •	Verify identified requirements as defined in the Vessel Listing Table have been met.	BWHC:	Signed
Requirements			BHI:	Signed	
		Ref:	Ref:	Date:	7/30/97
			End Poin	t Revision number:	
					0

# 221-B Operating Gallery List B Vessels

	Task Typ	e: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
05.03.01	Comply with Regulations & Requirements	* •	END POINT DELETED	BWHC: .
			Ref:	Date:
46 '	-			End Point Revision number: 2B
05.03.02	Comply with Regulations &	* •	END POINT DELETED	ВИНС:
Requirements		War and the same of	BHI:	
		Ref:	Date:	
			End Point Revision number:	

# 221-B Operating Gallery Systems

	Task Type: (TT-1) Hazards						
Number	Objective		End Point	EP Closure			
05.04.01	Facilitate S&M - Protect Workers - Reduce Cost	_ ~	Drain liquids and remove unattached equipment using Good Management Practices.  Ref:	BWHC:  BHI:  Date:  End Point Revision number:			

# 221-B Operating Gallery Systems

Number	Objective		End Point	EP Closure
05.04.02	Protect Public & Environment	*	Isolate scale tank vessel vent systems to/from the environment.	ВWНС:
			BHI:	
		Ref:	Date:	
				End Point Revision number:
05.04.03	Protect Public & Environment	*	Isolate piping to canyon (ie close valves).	ВWНС:
	Environment			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Operating Gallery Systems

	Task Type	2: (	(TT-8) Document & Label	
Number	Objective		End Point	EP Closure
05.04.04	Facilitate S&M - Protect	*	Label Abandoned in Place system.	ВWНС:
	Workers - Reduce Cost			ВНІ:
		Ref:	Date:	
			End Point Revision number:	
05.04.05 Facilitate Decommission	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
05.04.06	Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:
	Requirements	•	substances/dangerous wastes.	BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Pipe Gallery

221-B Pipe Gallery (1)	 ٠		 												 		 349
221-B Pipe Gallery System (6)		 ٠	 											4	 	 	 354
221-B Pipe Gallery Vessels (6)			 		 										 		 361

	AREA A	CCEPTANCE	
ВНІ	DATE	BWHC	DATE
ВНІ	DATE	-	

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

## 221-B Pipe Gallery

7 1	Task Type			En Cl
Vumber	Objective		End Point	EP Closure
06.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	ВWНС:
				BHI:
		Ref:	Date:	
	·			End Point Revision number:
				0
06.01.02	Regulations & friable material to eliminate personnel	Conduct asbestos assessment and contain friable material to eliminate personnel		
	Requirements		evnosure	BHI:
			Ref:	Date:
			End Point Revision number:	
6.01.03	Comply with	A	Review remaining hazards and update the	
0.01.03	Regulations &	A	hazard communication program.	
	Requirements			BHI:
				Date:
			Ref:	•
				End Point Revision number:
06.01.14	Comply with Regulations &	A	Conduct confined space assessment and resolve any identified issues.	BWHC:
	Requirements			BHI:
			n.c	Date:
			Ref:	7
				End Point Revision number:
				11

## 221-B Pipe Gallery

	Task Type	e: (	TT-3) Contamination			
Number	Objective		End Point	EP Closure		
06.01.04 Facilitate S&M - Protect Workers - Reduce Cost		*	The general space dose rate meets the definition of an RBA as defined in Hanford	ВWНС:		
		Site Radiological Control Manual (HSRCM- 1), Chapter 2, Rev 2. Potential for contamination above 6 feet exists.	BHI:			
	Ref:		Ref:	Date:		
				End Point Revision number:		
06.01.05	Comply with Regulations &	A	with Hanford Site Radiological Control	BWHC:		
Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:			
			Ref:	Date:		
				End Point Revision number:		

#### 221-B Pipe Gallery

Number	Objective		End Point	EP Closure
06.01.06	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:
	Requirements		accordance with approved waste handling procedures.	BHI:
			Ref:	Date:
				End Point Revision number:
- Arthress				0
06.01.07	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:
	Requirements			BHI:
			Ref:	Date:
		-	rtej.	End Point Revision number:
				0

# 221-B Pipe Gallery

Number	Objective		End Point	EP Closure
06.01.08	Facilitate S&M - Protect	1	Isolate/seal access doors not utilized during routine surveillance.	BWHC:
Workers - Reduce Cost			BHI:	
		Ref:	Date:	
				End Point Revision number:
06.01.09	Facilitate S&M - Protect	V	Isolate/plug floor drains to minimize potential contamination migration.	BWHC:
	Workers - Reduce Cost		ВНІ:	
			Ref:	Date:
				End Point Revision number:

## 221-B Pipe Gallery

	01: .:	-	F 1D:	ED CL
Vumber	Objective		End Point	EP Closure
06.01.10	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover package.	ВWНС:
Workers - Reduce Cost	Workers - Reduce Cost		package.	BHI:
:			Ref:	Date:
				End Point Revision number:
				0
06.01.11	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:
				BHI:
			Ref:	Date:
				End Point Revision number:
6.01.12	Comply with	A	Document space dose rates and	BWHC:
	Regulations &		contamination levels in the final	
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:
			#5) for inclusion in the turnover package.  Ref:	Date:
				End Point Revision number:
				0
06.01.13	Comply with	A	Document amount and location of	BWHC:
	Regulations &		remaining hazardous	
	Requirements	•	substances/dangerous wastes.	BHI:
				Date:
			Ref:	Date.
				End Point Revision number:

## 221-B Pipe Gallery System

	Task Type	e: (	(TT-5) Isolate & Contain	
Number	Objective		End Point	EP Closure
06.02.01	Protect Public & Environment	*	Isolate/seal 296-B-25 Pipe Gallery exhauster.	ВWНС:
			BHI:	
	Ref:	Date:		
			End Point Revision number:	
	D 111 0		landard and soon Blood Birm Only	0
06.02.02	Protect Public & Environment	*	Isolate/seal 296-B-21 Pipe Gallery exhauster.	ВWНС:
			BHI:	
		Ref:	Date:	
				End Point Revision number:
06 02 03	Protect Public &		Isolate/seal 296-B-22 Pipe Gallery	<i>BWHC</i> :
00.02.03	Environment	*	exhauster.	
				BHI:
			Ref:	Date:
				End Point Revision number:
06.02.04		*	Isolate/seal 296-B-23 Pipe Gallery exhauster.	BWHC:
Environment			BHI:	
			D-C	Date:
			Ref:	End Point Revision number:
				0

#### 221-B Pipe Gallery System

Number Objective End Point  06.02.05 Protect Public & Isolate/seal 296-B-24 Pipe Gallery exhauster.  Ref:	EP Closure BWHC: BHI: Date:
Environment exhauster.	BHI:
Ref:	
Ref:	Date:
	End Point Revision number
06.02.06 Protect Public & * Isolate/seal 296-B-26 Pipe Gallery exhauster.	BWHC:
Environment	BHI:
Ref:	Date:
	End Point Revision number.
6.02.07 Protect Public &   Isolate/seal 296-B-27 Pipe Gallery exhauster.	ВWНС:
	ВНІ:
Ref:	Date:
	End Point Revision number:
06.02.08 Facilitate S&M - Remove HEPA filter(s) & isolate 296-B-21 discharge.	ВWНС:
Workers - Reduce Cost	BHI:
Ref:	Date:
	End Point Revision number:

# 221-B Pipe Gallery System

Vumber	Objective		End Point	EP Closure
	9			
06.02.09	Facilitate S&M - Protect	*	Remove HEPA filter(s) & isolate 296-B-27 discharge.	BWHC:
	Workers - Reduce Cost			BHI:
		Ref:	Date:	
				End Point Revision number:
			0	
06.02.10 Facilitate S&M - Protect Workers - Reduce Cost		*	Remove HEPA filter(s) & isolate 296-B-22 discharge.	ВWHC:
				BHI:
	١,	Ref:	Date:	
			End Point Revision number:	
06.02.11	Facilitate S&M -	*	Remove HEPA filter(s) & isolate 296-B-26	Account to the second s
	Protect	т	discharge.	
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
06.02.12	Facilitate S&M - Protect	*	Remove HEPA filter(s) & isolate 296-B-25 discharge.	
V	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
				0

## 221-B Pipe Gallery System

	Task Type	e: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
06.02.13	Facilitate S&M - Protect	*	Remove HEPA filter(s) & isolate 296-B-23 discharge.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number: 0
Pro Work	Facilitate S&M - Protect	Protect (i.e. close first off valve).  Workers -	BWHC:	
	Workers - Reduce Cost		Ref:	BHI:
				Date:
				End Point Revision number:
6.02.15	Facilitate S&M - Protect	*	Remove HEPA filter(s) & isolate 296-B-24 discharge.	BWHC:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:

## 221-B Pipe Gallery System

Viewbon Objective End Doint ED Closure				
Vumber	Objective		End Point	EP Closure
06.02.16	Protect	*	Label Abandoned in Place system.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
	brown and the second			0
06.02.17	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:
				BHI:
			Ref:	Date:
				End Point Revision number:
				0
06.02.18	Comply with Regulations & Requirements	A	remaining nazardous	BWHC:
		Substa	substances/dangerous wastes.	BHI:
			Ref:	Date:
				End Point Revision number:
				0
06.02.19	Comply with Regulations &	A	Document exhauster (296-B-21) closure to DOH.	
	Requirements	•		BHI:
			Ref:	Date:
				End Point Revision number:

## 221-B Pipe Gallery System

	Task Typ	e: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
06.02.20	Comply with Regulations &	A	Document exhauster (296-B-22) closure to DOH.	
	Requirements	•		BHI:
			Ref:	Date:
				End Point Revision number:
				0
06.02.21	Comply with Regulations &	A	Document exhauster (296-B-23) closure to DOH.	ВWНС:
	Requirements	•		BHI:
				Date:
			<i>Ref:</i>	
				End Point Revision number:
( 00 00	0 1 4	+	Document exhauster (296-B-24) closure to	0
6.02.22	Comply with Regulations &	A	DOH.	•
	Requirements	Ref:		BHI:
			P.of.	Date:
			E ID : D : : I	
			·	End Point Revision number:
06.02.23	Comply with Regulations &	ions & DOH.	ВWНС:	
	Requirements			BHI:
				Date:
			Ref:	
				End Point Revision number:
				0

# 221-B Pipe Gallery System

	Task Typ	e: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
06.02.24	Comply with Regulations &	A	Document exhauster (296-B-26) closure to DOH.	ВWНС:
	Requirements	•		BHI:
		Paf	Ref:	Date:
				End Point Revision number:
06.02.25	Comply with Regulations &	A	Document exhauster (296-B-27) closure to DOH.	ВWНС:
	Requirements	Requirements	Ref:	BHI:
				Date:
				End Point Revision number:

# 221-B Pipe Gallery Vessels

Number	Objective		End Point	EP Closure
06.03.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	ВWНС:
	Requirements		existing equipment configuration.	BHI:
		Ref:	Ref:	Date:
				End Point Revision number:
06.03.02	Comply with Regulations & Requirements	Regulations & in the Vessel Listing Tal	Verify identified requirements as defined in the Vessel Listing Table have been met.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:

HNF-SD-WM-TPP-054 Rev. 2

# 221-B Stairwells

221-B Electrical & Pipe Galleries off of Stairwell #1 (2)	364
221-B Stairwells 1, 3, 11, 13 and 19 (1)	369
221-B Stairwells 5, 7, 9, 15 and 17 (2)	374
221-B Stairwells System (6)	379

	AREA A	CCEPTANCE	
вні	DATE	BWHC	DATE
ВНІ	DATE		

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# 221-B Electrical & Pipe Galleries off of Stairwell #1

	Task Type	e: (	TT-1) Hazards	
Number	Objective		End Point	EP Closure
07.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:
				BHI:
			Ref:	Date:
				End Point Revision number:
07.01.02	Comply with Regulations &	A	Review remaining hazards and update the hazard communication program.	BWHC:
	Requirements	Requirements	Ref:	BHI:
				Date:
				End Point Revision number:

# 221-B Electrical & Pipe Galleries off of Stairwell #1

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
07.01.03	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	ВWНС:	
	Requirements	Manual (HSDCM-1) Chapter 2 Day 2	BHI:		
			Date:		
				End Point Revision number:	
				0	

# 221-B Electrical & Pipe Galleries off of Stairwell #1

	Task Type	e: (	TT-4) Waste		
Number	Objective		End Point	EP Closure	
07.01.04	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	
			Best Effort methodology.	BHI:	
			Ref:	Date:	
	-			End Point Revision number:	
Regulation	Comply with Regulations & Requirements	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	
			accordance with approved waste handling procedures.	BHI:	
			Ref:	Date:	
				End Point Revision number:	
07.01.06	Comply with Regulations & Requirements		T T	Remove emergency lantern batteries and fire extinguishers.	ВWНС:
		Lequirements	BHI:		
			Ref:	Date:	
				End Point Revision number:	

# 221-B Electrical & Pipe Galleries off of Stairwell #1

Number Objective End Point EP Closure					
vumber	Objective		Ena Poini	EP Closure	
07.01.07	Protect Public & Environment	*	Ensure engineered barriers/seals are in place to prevent migration of both	BWHC:	
			hazardous and radioactive contamination to the environment.	BHI:	
			Ref:	Date:	
				End Point Revision number:	
			1.000	0	
07.01.08	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWHC:	
	Dirvironi		intrusion.	BHI:	
			Ref:	Date:	
				End Point Revision number:	
m 01 00	D 111		laciate (alice floor during	0	
7.01.09	Facilitate S&M - Protect	*	Isolate/plug floor drains.	BWHC:	
	Workers - Reduce Cost			BHI:	
			Ref:	Date:	
				End Point Revision number:	
				0	
07.01.10	Facilitate S&M - Protect		Place postings at entrances and lock doors to prevent unintentional/unauthorized	ВWНС:	
	Workers - Reduce Cost		access.	BHI:	
	110000000000			Date:	
			Ref:		
				End Point Revision number:	
			~	0	

# 221-B Electrical & Pipe Galleries off of Stairwell #1

	Task Type	: (	(TT-8) Document & Label	
Number	Objective		End Point	EP Closure
07.01.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover package.	ВWНС:
			patrage.	BHI:
			Ref:	Date:
				End Point Revision number:
	Facilitate Decommissioning	The state of the s	BWHC:	
			BHI:	
			Date:	
				End Point Revision number:
07.01.13	Comply with Regulations & Requirements	Regulations & contamination levels in the final radiological survey report and map per	ВWНС:	
			Hanford Site Radiological Control Manual	BHI:
			#5) for inclusion in the turnover package	Date:
07.01.14	Comply with Regulations &	egulations &   '   remaining hazardous	remaining hazardous	BWHC:
	Requirements	•	♦ substances/dangerous wastes.	BHI:
			Ref:	Date:
				End Point Revision number:

## 221-B Stairwells 1, 3, 11, 13 and 19

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
07.02.01 Protect Public & Environment	*	<ul> <li>Remove unattached combustible materials to reduce the fire hazard.</li> </ul>	BWHC:		
				BHI:	
			Ref:	Date:	
			rej.	End Point Revision number:	
				0	

# 221-B Stairwells 1, 3, 11, 13 and 19

Number	Objective		End Point	EP Closure
07.02.02	Facilitate S&M - Protect	*	The general space removable contamination level meets the definition of	ВWНС:
	Workers - Reduce Cost		an RBA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2.	BHI:
		Ref:	Date:	
				End Point Revision number
07.02.03 Comply with Regulations & Requirements		A	with Hanford Site Radiological Control	ВWНС:
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:
			Ref:	Date:
				End Point Revision number.

# 221-B Stairwells 1, 3, 11, 13 and 19

Vumber	Objective		End Point	EP Closure	
07.02.04	Facilitate S&M - Protect	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:	
	Workers - Reduce Cost		Best Effort methodology.	BHI:	
			Ref:	Date:	
	·			BHI: Date:	
		,			
07.02.05	Facilitate S&M - Protect	1	Remove/isolate of HEPA filter housings in Stairwell #1 Pipe Gallery Level.	ВWНС:	
	Workers - Reduce Cost			BHI:	
			Ref:	Date:	
				End Point Revision number:	
J7.02.06	Comply with Regulations &	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	
	Requirements		accordance with approved waste handling procedures.	BHI:	
			Ref:	Date:	
				End Point Revision number:	
07.02.07	Comply with Regulations &	* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:	
	Requirements			ВНІ:	
			Ref:	Date:	
				End Point Revision number:	
				0	

# 221-B Stairwells 1, 3, 11, 13 and 19

	Task Type	e: (	(TT-5) Isolate & Contain	
Number	Objective		End Point	EP Closure
07.02.08	Protect Public & Environment	*	Isolate/plug floor drains.	ВWНС:
			·	BHI:
			Ref:	Date:
				End Point Revision number:
	Protect Public & Environment	*	Isolate piping/routes to canyon stairwell #1.	ВWНС:
	2			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Stairwells 1, 3, 11, 13 and 19

	Task Type	, ,		
Number	Objective		End Point	EP Closure
07.02.10	Facilitate S&M - Protect Workers -	*	Document identified area industrial hazards for inclusion in the turnover package.	BWHC:
	Reduce Cost			
			Ref:	Date:
				End Point Revision number:
				0
07.02.11	7.02.11 Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC:
				BHI:
		Ref:	Date:	
			End Point Revision number:	
7.00.10	C - 1 - 11	-	Document amount and location of	Durane.
7.02.12	Comply with Regulations & Requirements		remaining hazardous substances/dangerous wastes.	ВWНС:
		•		BHI:
			Ref:	Date:
				End Point Revision number:
Regula	Comply with Regulations &	A	<ul> <li>         ← radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.</li> </ul>	BWHC:
	Requirements	•		BHI:
				Date:
			Ref:	End Point Revision number:
				0

# 221-B Stairwells 5, 7, 9, 15 and 17

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
07.03.01 Protect Public & Environment	*	<ul> <li>Remove unattached combustible materials to reduce the fire hazard.</li> </ul>	ВWНС:		
				BHI:	
			Ref:	Date:	
	A 1 17 8	3		End Point Revision number:	

#### 221-B Stairwells 5, 7, 9, 15 and 17

Task Type: (TT-3) Contamination					
Number	Objective		End Point	EP Closure	
Regulations &	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	ВWНС:	
	Requirements	··inomonts		BHI:	
			Ref:	Date:	
				End Point Revision number:	

# 221-B Stairwells 5, 7, 9, 15 and 17

	Task Type	2: (	TT-4) Waste	
Number	Objective		End Point	EP Closure
07.03.03	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
07.03.04 Comply with Regulations & Requirements		* •	Remove emergency lantern batteries and fire extinguishers.	BWHC:
	Requirements			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Stairwells 5, 7, 9, 15 and 17

	Task Type	2: (	TT- 5) Isolate & Contain	
Number	Objective		End Point	EP Closure
07.03.05	Protect Public & Environment	*	Isolate/seal potential pathways to the environment to protect from vermin	ВWНС:
			intrusion.	ВНІ:
		Ref:	Date:	
				End Point Revision number:
07.03.06	Facilitate S&M - Protect	*	* Place postings at entrances and lock doors to prevent unintentional/unauthorized access.	BWHC:
Workers -				BHI:
			Ref:	Date:
				End Point Revision number:

# 221-B Stairwells 5, 7, 9, 15 and 17

Task Type: (TT-8) Document & Label					
Number	Objective		End Point	EP Closure	
Regu	Comply with Regulations &	A	Document space dose rates and contamination levels in the final	ВWНС:	
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:	
	#5) for inclusion in the turnover package.  Ref:	Date:			
	75			End Point Revision number:	

# 221-B Stairwells System

Task Type: (TT-1) Hazards					
Number	Objective		End Point	EP Closure	
07.04.01	Facilitate S&M - Protect	*	Drain liquids and remove unattached equipment using Good Management	ВWНС:	
	Workers - Reduce Cost		Practices.	BHI:	
			Ref:	Date:	
				End Point Revision number:	

# 221-B Stairwells System

Task Type: (TT-4) Waste					
Number	Objective		End Point	EP Closure	
07.04.02 Comply with Regulations & Requirements		* •	* Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	
	acco	accordance with approved waste handling procedures.	BHI:		
			Ref:	Date:	
				End Point Revision number:	
				0	

# 221-B Stairwells System

Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point	EP Closure	
07.04.03	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets).	BWHC: BHI:	
			Ref:	Date:	
				End Point Revision number:  0	

# 221-B Stairwells System

Number	Objective		End Point	EP Closure
07.04.04	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	ВWНС:
				ВНІ:
		a.	Ref:	Date:
				End Point Revision number.
P	Comply with Regulations &	A	remaining nazardous	ВWНС:
	Requirements	substances/dangerous wastes.	ВНІ:	
			Ref:	Date:
				End Point Revision number:

HNF-SD-WM-TPP-054 Rev. 2

# 221-BB Steam Condensate (BCS)

221-BB Steam Condensate (BCS) Building (2)	385
221-BB Steam Condensate (BCS) Building Exterior (3)	391
221-BB Steam Condensate (BCS) Building System (6)	396
221-BB Vessels (6)	
221BB-MVP-01/221BB North Condensate Pit (2)	

	AREA A	CCEPTANCE	· · · · · · · · · · · · · · · · · · ·
ВНІ	DATE	BWHC	DATE
ВНІ	DATE	-	

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# 221-BB Steam Condensate (BCS) Building

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
08.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	6/3/97
				End Poin	t Revision number:
Regulations	Comply with Regulations &	Comply with Regulations & Requirements  A Conduct confined space assessment and resolve any identified issues.  Ref:		ВWНС:	Signed
	Requirements		BHI:	Signed	
			Ref:	Date:	6/9/97
				End Poin	t Revision number:
8.01.03	Comply with Regulations & Requirements  A Conduct asbestos assessment and contain friable material to eliminate personnel exposure.  Ref:	A		BWHC:	Signed
			exposure.	BHI:	Signed
		Ref:	Ref:	Date:	6/9/97
				End Poin	t Revision number:

# 221-BB Steam Condensate (BCS) Building

Task Type: (TT-2) Radiation Fields							
Number	Objective		End Point		EP Closure		
08.01.05	Comply with Regulations & Requirements	lations & with Hanford Site Radiological Control	BWHC:	Signed			
				BHI:	Signed		
			Ref:	Date:	7/9/97		
			rtej.	End Poin	t Revision number:		

# 221-BB Steam Condensate (BCS) Building

Task Type: (TT-3) Contamination						
Number	Objective		End Point		EP Closure	
08.01.04	Comply with Regulations & Requirements	Legulations & With Hanford Site Radiological Control	BWHC:	Signed		
				BHI:	Signed	
			Ref:	Date:	7/9/97	
				End Poin	t Revision number:	

# 221-BB Steam Condensate (BCS) Building

	Task Type	e: (	TT-4) Waste				
Vumber	Objective		End Point	I I	EP Closure		
08.01.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC: S	Signed		
			Best Effort methodology.	BHI:	Signed		
			Ref:	Date: 6	6/3/97		
				End Point Re	vision number:		
R	Comply with Regulations &		Comply with Regulations &	7 6 6	Remove emergency lantern batteries and fire extinguishers.	BWHC: S	Bigned
	Requirements		Ref:	BHI: S	Signed		
				Date: 6	5/3/97		
				End Point Re	vision number:		
08.01.08	Comply with Regulations & Requirements	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in	BWHC: S	Signed		
			accordance with approved waste handling procedures.	BHI: S	Signed		
			Ref:	Date: 6	/3/97		
		_		End Point Re	vision number:		

# 221-BB Steam Condensate (BCS) Building

Number	Objective		End Point		EP Closure
08.01.09	Facilitate S&M - Protect	*	Isolate/seal door between radiologically contaminated & non-radiologically	BWHC:	Signed
	Workers - Reduce Cost		contaminated areas.	BHI:	Signed
		Ref:	Date:	5/5/97	
				End Poin	t Revision number:
					0
Protect Workers -	Facilitate S&M - Protect	*	Isolate/plug floor drains.	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
			Ref:	Date:	6/3/97
				End Point	t Revision number:
					0

# 221-BB Steam Condensate (BCS) Building

	Task Type: (TT-8) Document & Label							
Number	Objective		End Point		EP Closure			
08.01.11	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed			
			package.	ВНІ:	Signed			
			Ref:	Date:	6/9/97			
				End Poin	t Revision number:			
					0			
08.01.12	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed			
		of Case 2 spaces.  Ref:	of Case 2 spaces.	ВНІ:	Signed			
			Ref:	Date:	7/9/97			
				End Poin	t Revision number:			
08.01.13	Comply with Regulations &	equiations &   Contamination levels in the	Document space dose rates and contamination levels in the final	ВWНС:	Signed			
	Requirements	•		BHI:	Signed			
				Date:	7/9/97			
				End Poin	t Revision number:			
08.01.14	Comply with Regulations & Requirements	A Document amount and location of remaining hazardous	ВWНС:	Signed				
		*	substances/dangerous wastes.	ВНІ:	Signed			
			Ref:	Date:	6/9/97			
				End Poin	t Revision number:			
					0			

## 221-BB Steam Condensate (BCS) Building Exterior

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point		EP Closure
08.02.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	6/3/97
				End Poin	t Revision number:
08.02.02 Facilitate S&M - Protect Workers - Reduce Cost		conduc	A limited structural analysis will be conducted to verify structural integrity for	BWHC:	Signed
		a minimum of five (5) years.	BHI:	Signed	
	Trouble Cost		Ref:	Date:	6/16/97
				End Poin	t Revision number:

# 221-BB Steam Condensate (BCS) Building Exterior

Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure	
08.02.03	Facilitate Decommissioning	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.	ВWНС:	Signed		
			Best Effort methodology.	BHI:	Signed	
			Ref:	Date:	6/3/97	
				End Poin	t Revision number:	
	1			End Poin	t Revision number: 0	

# 221-BB Steam Condensate (BCS) Building Exterior

	Task Type	. (	TT- 5) Isolate & Contain		
Number	Objective		End Point		EP Closure
08.02.04	Protect Public & Environment	*	Isolate/seal potential pathways from the environment to protect from vermin	BWHC:	Signed
			intrusion.	BHI:	Signed
			Ref:	Date:	5/5/97
				End Poin	t Revision number:
Protect Workers -	Facilitate S&M - Protect	Protect Vorkers -	* Place postings at entrances and lock doors to prevent unintentional/unauthorized access.  Ref:	BWHC:	Signed
	Workers - Reduce Cost			BHI:	Signed
				Date:	6/3/97
				End Poin	t Revision number:
8.02.06	Facilitate S&M - Protect	*	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.	BWHC:	Signed
Worker	Workers - Reduce Cost	Workers -		BHI:	Signed
			Ref:	Date:	6/16/97
				End Poin	t Revision number:

# 221-BB Steam Condensate (BCS) Building Exterior

	Task Type: (TT-7) Refurbish or Install						
Number	Objective		End Point		EP Closure		
08.02.07	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	BWHC:	Signed		
	Workers - Reduce Cost			BHI:	Signed		
			Ref:	Date:	6/18/97		
				End Point	t Revision number:		

# 221-BB Steam Condensate (BCS) Building Exterior

Number	Objective		End Point		EP Closure
08.02.08	Facilitate S&M - Protect	*	Document identified area industrial hazards for inclusion in the turnover	ВWНС:	Signed
	Workers - Reduce Cost		package.	BHI:	Signed
			Ref:	Date:	6/9/97
				End Poin	t Revision number:
					0
08.02.09	Facilitate S&M - Protect	*	Verify ancillary building identifications are clearly posted on the exterior of the	BWHC:	Signed
	Workers - Reduce Cost		building.	BHI:	Signed
			Ref:	Date:	5/5/97
				End Poin	t Revision number:
8.02.10	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies	ВWНС:	Signed
			Structural Studies	BHI:	Signed
		Ref:	Ref:	Date:	6/18/97
				End Poin	t Revision number
08.02.11	Comply with Regulations &	A	Document amount and location of remaining hazardous	BWHC:	Signed
	Requirements	•	substances/dangerous wastes.	BHI:	Signed
			Ref:	Date:	6/9/97
				End Poin	t Revision number.
					0

# 221-BB Steam Condensate (BCS) Building System

Task Type: (TT-1) Hazards							
Number	Objective		End Point		EP Closure		
08.03.01 Facilitate S&M - Protect Workers - Reduce Cost		containing hazardous material (i.e. lead	containing hazardous material (i.e. lead	BWHC:	Signed		
		shielding).	BHI:	Signed			
			Ref:	Date:	6/3/97		
				End Poin	t Revision number:		

# 221-BB Steam Condensate (BCS) Building System

Task Type: (TT-4) Waste						
Number	Objective		End Point		EP Closure	
08.03.02 Comply with Regulations & Requirements		* •	dangerous, and mixed waste conducted in	BWHC:	Signed	
	Requirements			BHI:	Signed	
			Ref:	Date:	6/3/97	
				End Poin	t Revision number:	

# 221-BB Steam Condensate (BCS) Building System

Number	Objective		End Point	EP Closure
08.03.03	Protect Public & Environment	*	Isolate 296-B-5 stack.	BWHC: Signed
				BHI: Signed
			Ref:	Date: 6/3/97
				End Point Revision number
				0
08.03.04	Facilitate S&M - Protect	*	Cap/plug/blank/isolate effluent sample lines.	BWHC: Signed
	Workers - Reduce Cost			BHI: Signed
			Ref:	Date: 5/5/97
				End Point Revision number.
08.03.05	Facilitate S&M - Protect Workers - Reduce Cost	*	Remove HEPA filter(s) & isolate vessel vent system 3.	BWHC: Signed
		Reduce Cost		BHI: Signed
			Ref:	Date: 5/5/97
				End Point Revision number.
08.03.06	Facilitate S&M - Protect	Protect (296-B-5) HVAC discharge. Workers -		BWHC: Signed
			BHI: Signed	
			Ref:	Date: 6/3/97
				End Point Revision number.
				0

# 221-BB Steam Condensate (BCS) Building System

Task Type: (TT-5) Isolate & Contain							
Number	Objective		End Point		EP Closure		
08.03.07 Facilitate Se	Facilitate S&M - Protect	*	Isolate HVAC supply.	BWHC:	Signed		
	Workers - Reduce Cost			BHI:	Signed		
			Ref:	Date:	5/5/97		
				End Poin	t Revision number:		

# 221-BB Steam Condensate (BCS) Building System

Task Type: (TT-8) Document & Label							
Number	Objective		End Point	EP Closure			
08.03.08	Facilitate S&M - Protect	*	Label Abandoned in Place system.	BWHC: Signed			
	Workers - Reduce Cost			BHI: Signed			
			Ref:	Date: 6/3/97			
				End Point Revision number:			
	h			0			
08.03.09	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.	BWHC: Signed			
				BHI: Signed			
			Ref:	Date: 8/14/97			
				End Point Revision number:			
				0			
08.03.10	Comply with Regulations & Requirements	Requirements					
				BHI:			
			Ref:	Date:			
			rej.	End Point Revision number:			
				O			
08.03.11	Comply with Regulations &	A h law are a ladius in the account account	remaining hazardous	BWHC: Signed			
	Requirements	•	substances/dangerous wastes.	BHI: Signed			
		D <sub>a</sub> 4	Ref:	Date: 6/9/97			
			107.	End Point Revision number:			
				O			

#### 221-BB Vessels

	Task Typ	e: (	TT-4) Waste		
Number	Objective		End Point		EP Closure
08.05.01	Comply with Regulations &	* •	Flush/drain chemical addition piping to minimize the residual material using	BWHC:	Signed
×	Requirements		existing equipment configuration.	BHI:	Signed
			Ref:	Date:	6/3/97
				End Poin	t Revision number:
08.05.02	Comply with	Regulations & in the Vessel Listing Table have been met	BWHC:	Signed	
	Requirements		Ref:	BHI:	Signed
				Date:	6/5/97
			End Poin	t Revision number:	

## 221BB-MVP-01/221BB North Condensate Pit

	Task Type	e: (	TT-1) Hazards		
Number	Objective		End Point	EP Closure	
08.06.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC: Signed	
				BHI: Signed	
			Ref:	Date: 6/30/97	
				End Point Revision number:	
08.06.02 Comply with Regulations & Requirements		Regulations & resolve any identified issues.		BWHC: Signed	
	_		Ref:	BHI: Signed	
				Date: 7/16/97	
				End Point Revision number:	
08.06.03	Comply with Regulations & Conduct asbestos assessment and conta				
	Requirements	equirements	exposure.	exposure.	BHI: Signed
			Ref:	Date: 7/16/97	
				End Point Revision number: 1-A	

#### 221BB-MVP-01/221BB North Condensate Pit

Task Type: (TT-2) Radiation Fields						
Number	Objective		End Point		EP Closure	
Regulati	Comply with Regulations &	A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed	
	Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed	
			Ref:	Date:	8/19/97	
				End Poin	t Revision number:	

#### 221BB-MVP-01/221BB North Condensate Pit

Task Type: (TT-3) Contamination							
Number	Objective		End Point		EP Closure		
08.06.05 Comply with Regulations & Requirements		A	Post radiological conditions in accordance with Hanford Site Radiological Control	BWHC:	Signed		
	Requirements	Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	Signed			
		Ref:	Date:	8/19/97			
				End Poin	t Revision number:		

## 221BB-MVP-01/221BB North Condensate Pit

	Task Type	. 1		-		
Number	Objective		End Point		EP Closure	
08.06.06	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	BWHC:	Signed	
			Best Effort methodology.	BHI:	Signed	
			Ref:	Date:	7/30/97	
				End Point	Revision number:	
Regula	Comply with Regulations &	egulations & dangerous, and mixed waste conducted in	BWHC:	Signed		
	Requirements		procedures.	BHI:	Signed	
				Date:	7/30/97	
			End Point	Revision number:		
)8.06.08	Comply with Regulations & Requirements			Remove lead shielding.	BWHC:	Signed
		rements		BHI:	Signed	
			Ref:	Date:	7/16/97	
				End Point	Revision number:	

#### 221BB-MVP-01/221BB North Condensate Pit

Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point		EP Closure
	Protect Public & Environment	*	Isolate/seal cover to confined space pit.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	7/30/97
				End Point	Revision number: 1-A
08.06.10 Protect Public a Environment	Protect Public & Environment	*	Isolate/seal lines leading to tank 900.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	8/14/97
				End Point I	Revision number:
08.06.11	Protect Public & Environment	Environment	Isolate/seal potential pathways from the environment to protect from vermin intrusion.	BWHC:	Signed
				BHI:	Signed
			Ref:	Date:	7/30/97
				End Point I	Revision number: 1-A
08.06.12	Facilitate S&M - Protect	4	Protect to prevent unintentional/unauthorized	BWHC:	Signed
	Workers - Reduce Cost		access.	ВНІ:	Signed
			Ref:	Date:	7/30/97
				End Point I	Revision number:
					1-A

#### 221BB-MVP-01/221BB North Condensate Pit

Number	Objective		End Point		EP Closure
08.06.13 Facilitate Decommission	Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:	Signed
			package.	BHI:	Signed
			Ref:	Date:	7/16/97
				End Poin	t Revision number:
					1-A
08.06.14	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Description/photos	BWHC:	Signed
	of Case 2 spaces.	of Case 2 spaces.	BHI:	Signed	
		Ref:	Ref:	Date:	8/14/97
				End Poin	t Revision number:
8.06.15	Comply with Regulations & Requirements	A	A Document amount and location of remaining hazardous substances/dangerous wastes.	ВWНС:	Signed
		Requirements		BHI:	Signed
			Ref:	Date:	7/16/97
			End Poin	t Revision number: 1-A	
Reg	Comply with Regulations &	egulations & Requirements    Contamination levels in the final radiological survey report and map per Hanford Site Radiological Control Manua (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI)	BWHC:		
	Requirements		Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI #5) for inclusion in the turnover package.	ВНІ:	Signed
				Date:	8/19/97
				End Poin	t Revision number: 1-A

HNF-SD-WM-TPP-054 Rev. 2

# 221-BC Change Room

221-BC Change Room Building (2)	410
221-BC Change Room Building Exterior (3)	415
221-BC Change Room Building System (6)	421

	AREA A	CCEPTANCE	
ВНІ	DATE	BWHC	DATE
BHI	DATE	-	

HNF-SD-WM-TPP-054 Rev. 2

This page intentionally left blank.

# 221-BC Change Room Building

Task Type: (TT-1) Hazards						
Number	Objective		End Point	EP Closure		
09.01.01	Protect Public & Environment	*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:		
(F-)				BHI:		
			Ref:	Date:		
				End Point Revision number:  0		

# 221-BC Change Room Building

Task Type: (TT-3) Contamination				
Number	Objective		End Point	EP Closure
09.01.02	Facilitate Decommissioning	1	Fix contamination in lower area.	ВWНС:
Decommissioning			BHI:	
			Ref:	Date:
			rey	End Point Revision number:
				0
09.01.03	Comply with Regulations &	A	with Hanford Site Radiological Control	ВWНС:
Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building

Task Type: (TT-4) Waste				
Number	Objective		End Point	EP Closure
09.01.04	Facilitate Decommissioning	1	Housekeep and remove unattached material/equipment using the Reasonable	ВWНС:
			Best Effort methodology.	BHI:
			Ref:	Date:
				End Point Revision number:
09.01.05 Comply with Regulations & Requirements	dangerous,	Removed/disposed radioactive, dangerous, and mixed waste conducted in	ВWНС:	
			accordance with approved waste handling procedures.  Ref:	BHI:
				Date:
				End Point Revision number:
09.01.06 Comply with Regulations & Requirements	1 1	4	Remove emergency lantern batteries and fire extinguishers.	ВWНС:
			BHI:	
			Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building

	Task Type	e: (	(TT-5) Isolate & Contain	
Number	Objective		End Point	EP Closure
09.01.07	Protect Public & Environment	*	Isolate potential pathways to the environment.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
09.01.08	Protect Public & Environment	*	Isolate/plug drains (showers, sinks, toilets).	
			4	BHI: Signed
			Ref:	Date: 11/19/97
				End Point Revision number:
)9.01.09	Facilitate S&M - Protect	*	Isolate/seal canyon access points.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:
09.01.10	Facilitate S&M - Protect	*	Isolate/plug floor drains.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building

	Task Type	2: (	TT-8) Document & Label	
Number	Objective		End Point	EP Closure
09.01.11 Facilitate Decommissioning	*	work plans/packages. Description/photos	BWHC:	
		of Case 2 spaces.	BHI:	
			Ref:	Date:
				End Point Revision number:
09.01.12	9.01.12 Facilitate Decommissioning	*	Document identified area industrial hazards for inclusion in the turnover	BWHC:
		2 ccommissioning		package.
			Ref:	Date:
				End Point Revision number:
09.01.13	Comply with Regulations &	A	Document amount and location of remaining hazardous	ВWНС:
	Requirements	•	substances/dangerous wastes.	BHI:
			Ref:	Date:
San San San				End Point Revision number:
09.01.14	Comply with Regulations &	A	Document space dose rates and contamination levels in the final	BWHC:
	Requirements	•	radiological survey report and map per Hanford Site Radiological Control Manual (HSRCM-1), Chapter 5, Rev 2 (Ref EPTI	BHI:
			#5) for inclusion in the turnover package.  Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building Exterior

	Task Type: (TT-1) Hazards				
Number	Objective		End Point	EP Closure	
09.02.01 Protect Public & Environment		*	Remove unattached combustible materials to reduce the fire hazard.	BWHC:	
			BHI:		
	Ref:	Date:			
				End Point Revision number:	
09.02.02	Facilitate S&M - Protect	*	A limited structural analysis will be conducted to verify structural integrity for	BWHC: Signed	
Workers - Reduce Cost		a minimum of five (5) years.	BHI: Signed		
			Ref:	Date: 6/16/97	
	·			End Point Revision number:	

# 221-BC Change Room Building Exterior

Number	Objective		End Point	EP Closure
09.02.03 Facilitate S&M - Protect Workers - Reduce Cost		*	The 221-BC Roof removable contamination level meets the definition of	ВWНС:
		a CA as defined in Hanford Site Radiological Control Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
	Ref:	Date:		
				End Point Revision number:
				0
09.02.04	Comply with Regulations &	A	with Hanford Site Radiological Control	BWHC:
Requirements		Manual (HSRCM-1), Chapter 2, Rev 2 (Ref EPTI #4).	BHI:	
			Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building Exterior

	Task Type: (TT-4) Waste			
Number	Objective		End Point	EP Closure
09.02.05	Facilitate Decommissioning	I V	Housekeep and remove unattached material/equipment using the Reasonable Best Effort methodology.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number:
09.02.06	Comply with Regulations & Requirements	* •	Removed/disposed radioactive, dangerous, and mixed waste conducted in accordance with approved waste handling procedures.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number:

# 221-BC Change Room Building Exterior

Number	Objective		End Point	EP Closure
09.02.07	Protect Public & Environment	*		ВWНС:
				BHI:
				Date:
				End Point Revision number.
09.02.08	Facilitate S&M - Protect Workers - Reduce Cost	*	* Place postings at entrances and lock doors to prevent unintentional/unauthorized access.  Ref:	BWHC:
				BHI:
				Date:
				End Point Revision number
09.02.09	Facilitate S&M - Protect Workers - Reduce Cost	Protect Workers -	Assess roof integrity for the prevention of in-leakage for a minimum of five (5) years.  Ref:	BWHC: Signed
				BHI: Signed
				Date: 6/12/97
				End Point Revision number:

# 221-BC Change Room Building Exterior

Task Type: (TT-7) Refurbish or Install				
Number	Objective		End Point	EP Closure
09.02.10	Facilitate S&M - Protect	*	Refurbish facility as required by the structural and roof integrity studies.	ВWНС:
	Workers - Reduce Cost			BHI:
			Ref:	Date:
				End Point Revision number:

# 221-BC Change Room Building Exterior

Task Type: (TT-8) Document & Label				
Number	Objective		End Point	EP Closure
09.02.11	Facilitate S&M - Protect Workers - Reduce Cost	*	Document identified area industrial hazards for inclusion in the turnover package.  Ref:	ВWНС:
				BHI:
				Date:
				End Point Revision number
12.0	,			0
09.02.12	Facilitate S&M - Protect Workers - Reduce Cost	*	Verify ancillary building identifications are clearly posted on the exterior of the	ВWНС:
			building.	BHI:
			Ref:	Date:
				End Point Revision number.
				0
09.02.13	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages. Roof Studies Structural Studies	ВWНС:
				BHI:
				Date:
				End Point Revision number
09.02.14	Comply with Regulations & Requirements	A •	Document amount and location of remaining hazardous substances/dangerous wastes.	ВWНС:
				BHI:
			Ref:	Date:
				End Point Revision number

# 221-BC Change Room Building System

Case: (6) System - Abandoned in Place

Task Type: (TT-5) Isolate & Contain					
Number	Objective		End Point	EP Closure	
09.03.01	Protect Public & Environment	* Isolate/seal ventilation supply and discharge ducts.	ВWНС:		
				BHI:	
			Ref:	Date:	
			nej	End Point Revision number:	
				0	

# 221-BC Change Room Building System

Case: (6) System - Abandoned in Place

Task Typ			End Point	ED Classes	
Number	Objective			EP Closure	
09.03.02	Facilitate S&M - Protect Workers - Reduce Cost	*	Ref:	ВWНС:	
				BHI:	
				Date:	
				End Point Revision number.	
09.03.03	Facilitate Decommissioning	*	Turnover package items: Deactivation work plans/packages.  Ref:	ВWНС:	
				ВНІ:	
				Date:	
				End Point Revision number	
09.03.04	Comply with Regulations & Requirements	Regulations &	Document amount and location of remaining hazardous substances/dangerous wastes.  Ref:	BWHC:	
				BHI:	
				Date:	
				End Point Revision number:	